

## EDUCATION

04.2017 – 06.2018 **ETH Zürich (Swiss Federal Institute of Technology), Department of Mathematics, Seminar for Statistics**  
○ **Certificate of Advanced Studies “CAS ETH in Angewandter Statistik” / CAS ETH in Applied Statistics** (19 ECTS) Major: Applied Multivariate Statistics. 60% German/40% English (using R). Zertifikatsgespräch (Final Interview): “The Framingham Heart Study: Predicting the 10-year risk of coronary heart disease”.

01.2008 – 12.2010 **Webster University Geneva, School of Business and Technology – Geneva**  
○ **Master of Business Administration** (14-month program in a part-time format, working full-time) (42 ECTS) Major: Business Administration. Grade Point Average: 3.86/4.00.  
○ Member of the Delta Mu Delta International Honor Society in Business Administration in recognition of high scholastic achievement.

06.2023  
○ Qualification formally recognized as equivalent to a Swiss Master’s degree by **Swissuniversities – Bern, Switzerland**

03.1993 – 12.1997 **Universidad de Ciencias Empresariales y Sociales – Buenos Aires, Argentina**  
○ **Licenciada en Administración de Empresas** (bachelors’ degree, 5-year program, working full-time)

**CONTINUING EDUCATION & Hands-on Projects** (selection of graduate/post-graduate level and above online courses, workshops, webinars, seminars, and guided projects)

05.2026 –  
05.2026 **International Telecommunication Union (ITU), Geneva**  
○ **3rd UN Virtual Worlds Day** (workshop)  
○ **2nd Citiverse Assembly**

04.2026 –  
05.2026 **Stanford University, School of Engineering**  
○ **Code in Place 2026**  
Course based on the CS106A curriculum and focused on teaching Python.

### AI Campus (AI Campus)

○ **Agentic AI: The New Software Paradigm**

Online training with hands-on projects offered by Prof. Dr. Andrew Ng, Stanford University, a globally recognized leader in Artificial Intelligence and founder of Coursera, DeepLearning.AI and Landing.AI.

### DeepLearning.AI | Qdrant

○ **Multi-vector Image Retrieval** (audited)

### DeepLearning.AI | Nvidia

○ **Nvidia's NeMo Agent Toolkit: Making Agents Reliable** (audited)

### DeepLearning.AI | Anthropic

○ **Agent Skills with Anthropic** (audited)

### Bitkom Akademie (webinars)

04.2026 – 04.2026  
○ **Von Firewalls zu Mindwalls: Insider Threat Prävention neu denken**  
○ **Strategische Vorausschau (Strategic Foresight) als Führungsqualität**  
○ **Grundlagen, Praxisnutzen und was ab Ende 2026 mit der EUDI-Wallet kommt**  
**Deutsches Forschungszentrum für Künstliche Intelligenz (DFKI) | Gretchen.AI**  
○ **Deepfakes und KI-generiertem Content: Wie mächtig ist KI und welche Gegenmassnahmen haben wir?**

### Galileo | CrewAI (webinar)

○ **Governing Multi-Agent Systems at Scale with CrewAI and Agent Control** (webinar)

### DeepLearning.AI | Google Cloud

○ **Building Live Voice Agents with Google's ADK** (audited)

○ **Agentic AI Conference: Future of Data and AI** (USA, virtual conference)

Panels discussions, tutorials, and hands-on workshops on agentic AI and the future of autonomous systems.

○ **Governing Autonomy: Policy, Control & Accountability in Agentic AI Systems**

○ **From Hype to Durable Value: The Economics and Enterprise Reality of Agentic AI**

○ **Securing Autonomous Agents: Threat Models, Zero-Trust Architectures & the New Attack Surface**

○ **Technical Debt in Agentic AI Deployments: Autonomy, Stochastic Behavior, and Rapidly Evolving Frameworks**

○ **GitHub Copilot Everywhere: CLI, VS Code, and the Cloud**

- How Docker Is Building the Guardrails AI Coders Need
  - Antigravity and AI Studio with the Gemini APIs Workshops: From Isolation to Trust Reinforcement
  - Learning with Human Feedback and GRPO: From Retrieval to Orchestration
- International Telecommunication Union (ITU), Geneva**
- **The Future Outlook of Digital Identity: Standards, Trust, and Interoperability for Humans and AI Agents** (content week: SG17: Q7B - Secure application services - Topics and Tasks on AI Security)
- 03.2026 – 03.2026 ○ **The Future Outlook of Digital Identity: Standards, Trust, and Interoperability for Humans and AI Agents** (2-day workshop)
- DeepLearning.AI | Google Cloud**
- Build and Train an LLM with JAX
- DeepLearning.AI | Project Jupyter**
- Jupyter AI: AI Coding in Notebooks
- DeepLearning.AI**
- Build with Andrew
- 02.2026 – 03.2026 **DeepLearning.AI | Landing.AI**
- Document AI: From OCR to Agentic Doc Extraction (audited)
- DeepLearning.AI | Google Cloud & IBM Research**
- A2A The Agent2Agent Protocol (audited)
- 01.2026 – 02.2026 **DeepLearning.AI**
- Agentic AI course taught by Andrew Ng (audited)
- DeepLearning.AI | CrewAI**
- Design, Develop, and Deploy Multi-Agent Systems with CrewAI (audited)
- CrewAI**
- Accelerating AI agent adoption series (webinar series)
    - Part III – CrewAI AMP hands-on workshop
    - Part II – Agentic Operations Lifecycle
- 01.2026 – 01.2026 ○ Part I – Agentic System Frameworks
- DeepLearning.AI | Databricks**
- Governing AI Agents (audited)
- CrewAI | SambaNova Systems**
- How to choose the best open model for AI agents based on their task (webinar)
- Data Science Dojo**
- A2A Protocol Workshop: Build Interoperable Multi-Agent Systems (webinar)
  - Agentic AI Conference: Future of Data and AI (USA, virtual conference)
    - From Complex Documents to Accurate Insights – Agentic Document Extraction with LandingAI
    - From Data to Agents – Building GraphRAG Systems with Structured and Unstructured Data
    - Giving Eyes to Your AI – Building Vision-Enabled Agents with Haystack
    - Building Agentic Research Assistants with Reka – Multi-Source Intelligence for Business and Markets
    - Going Beyond the Chatbot – Building Event-Driven Agents with GitHub Webhooks
    - Building Smarter AI – Agentic Workflows with FloTorch
- 12.2025 – 12.2025 **DataCamp | CrewAI**
- Building AI Agents with CrewAI (DataCamp certificate)
- DataCamp | Microsoft** (DataCamp certificate)
- Working with the OpenAI Responses API (DataCamp certificate)
  - Working with Microsoft Copilot (audited)
  - AI for Sales (DataCamp certificate)
- Anthropic**
- Introduction to Model Context Protocol (Coursera verified certificate)
  - Model Context Protocol: Advanced Topics (Coursera verified certificate)

- 11.2025 – 12.2025 **IBM Skills Network**
- **IBM RAG and Agentic AI Professional Certificate / IBM Building AI Agents and Agentic Workflows Specialization** (Coursera verified certificates)
    - **Fundamentals of Building AI Agents**
    - **Agentic AI with LangChain and LangGraph**
    - **Agentic AI with LangGraph, CrewAI, AutoGen and BeeAI**
    - **Build Multimodal Generative AI Applications**
- 11.2025 – 11.2025 **University of Oxford, Saïd School of Business**
- **AI Foundations for Business Professionals Specialisation** (Coursera verified certificates)
    - **Generative and Agentic AI**
    - **AI Governance**
- DataCamp | Replit**
- **Vibe Coding with Replit** (certificate)
- DataCamp | Collibra**
- **Artificial Intelligence Governance** (certificate)
- DataCamp | EU Parliament**
- **Understanding the EU AI Act** (certificate)
- DataCamp | Microsoft**
- **Building Scalable Agentic Systems** (certificate)
  - **Introduction to AI Agents** (certificate)
- DataCamp | MongoDB**
- **Text-to-Query Agents with MongoDB and LangGraph** (audited)
- IBM Skills Network**
- **IBM Generative AI for Business Analysts Specialization**
    - **Generative AI: Revolutionizing Business Analysis Techniques** (Coursera verified certificate)
- 07.2025 – 10.2025
- **Generative AI for Product Owners Specialization**
    - **Generative AI: Revolutionizing the Product Owner Role** (Coursera verified certificate)
- 09.2025 – 09.2025 **Data Science Dojo – Agentic AI Conference: Future of Data and AI** (remote participation)
- **Designing Intelligent Agents: The Role of Memory, Cognition, and Planning**
  - **Architecting Scalable Multi-Agent Workflows: From Coordination to Orchestration**
  - **Managing Security and Governance in MCP Deployment: Best Practices for Safe and Compliant AI**
  - **Deploying an End-to-End Agentic AI Workflow: Thoughts on Building an End-to-End Agentic Workflow** (workshop)
  - **Building a Self-Improving Agentic System with the Strands SDK and Amazon Bedrock AgentCore** (workshop)
- DataCamp | CrewAI**
- **Creating a Podcast Generation AI Multi-Agent with CrewAI** (webinar)
- DataCamp**
- **Building AI Agents with Google ADK** (certificate)
  - **Multi-modal Systems with the OpenAI API** (certificate)
  - **Multi-Agent Systems with LangGraph** (certificate)
- DataCamp | Hugging Face**
- **Multi-Modal Models with Hugging Face** (certificate)
- DataCamp | Qdrant**
- **Grounded Vibe Coding with Model Context Protocol and Qdrant** (webinar)
- DataCamp | LlamaIndex | Pinecone | Oracle**
- **AI Agents Unpacked: Hype, Hope, or Real ROI?** (webinar)
- DeepLearning.AI | Anthropic**
- **Claude Code: A Highly Agentic Coding Assistant** (certificate)
- DeepLearning.AI | Box**
- **Building AI Apps with MCP Server Working with Box Files** (certificate)

- 07.2025 – 07.2025
- DeepLearning.AI | University of Washington | NexusFlow AI**
    - Post-training of LLMs (certificate)
  - DeepLearning.AI | Meta**
    - Building with Lama 4 (certificate)
  - DeepLearning.AI | IBM Research | BeeAI | The Linux Foundation**
    - ACP: Agent Communication Protocol (certificate)
  - DeepLearning.AI | Giskard**
    - Red Teaming LLM Applications (certificate)
  - DeepLearning.AI | LangChain**
    - Long-term Agentic Memory with LangGraph (certificate)
    - LangChain Chat with your Data (certificate)
    - Functions, Tools and Agents with LangChain (certificate)
  - LandingAI**
    - Agentic Document Extraction: Unlocking Speed & Accuracy with Visually Grounded Agentic API Solutions (webinar)
  - Bitkom Akademie | Salesforce**
    - KI im Vertrieb - Nutzenpotenziale, Anwendungsfälle und Herausforderungen (webinar)
  - Bitkom Akademi**
    - KI: Frischzellenkur für Workflows (webinar)
    - KI im PMO (Project Management Office) (webinar)
  - Bitkom Akademie | RWTH FIR - Rheinisch-Westfälische Technische Hochschule Aachen, Forschungsinstitut für Rationalisierung**
    - Next Level PMO: Künstliche Intelligenz als Game-Changer im Projektmanagement (webinar)
  - Bitkom Akademie | IBM Technology DACH**
    - Bessere Sicherheit im Zeitalter der KI (webinar)
  - LandingAI**
    - Enhancing Clinical Knowledge Access with Agentic Document Extraction: The Eolas Medical Case Study (webinar)
    - From Extraction to Action: Operationalizing Enterprise Document Processing (webinar)
  - CrewAI | Arize AI**
    - Building production agents with training and evaluation (webinar)
  - CrewAI**
    - Identifying use cases and getting started with AI agents (webinar)
    - How to build deterministic agent workflows (webinar)
- 06.2025 – 06.2025
- DeepLearning.AI | Anthropic**
    - MCP: Build Rich-Context AI Apps with Anthropic (certificate)
  - DeepLearning.AI | Astronomer**
    - Orchestrating Workflows for GenAI Applications (certificate)
  - CrewAI**
    - AI Agents in Production: Lessons from the Front Lines with CrewAI & Centrilogic (webinar)
    - Adding agent tools via Model Context Protocol (MCP) (webinar)
    - Building your first multi-agent workflow, with and w/o code (webinar)
  - MindsDB**
    - Fast-Track Knowledge Bases: How to Build Semantic AI Search (webinar)
  - Board Infinity**
    - Mastering DeepSeek: From Architecture to Application (Coursera verified certificate)
    - DeepSeek Essentials: From Foundations to Real-World Use (Coursera verified certificate)
  - London Business School, Management Science and Operations**
    - You're not being replaced by AI... yet (webinar)
  - University of Maryland, College Park, A. James Clark School of Engineering | WNCP AI**

- **AI and the Modern Product Manager Series: AI-Accelerated PM: Tools & Workflows to Stand Out** (webinar/workshop)

#### **DataCamp**

- **AI Agents in Business** (webinar series)
  - **The Leader's Guide to AI Agents**
  - **AI Agents and the Future of Work**
  - **Best Practices for Building AI Agents**

05.2025 – present **Columbia University, Department of Industrial Engineering and Operations Research | Center for Artificial Intelligence in Business Analytics and Financial Technology (FinTech)**

- **Learning AI Through Visualization**

#### **LearnKartS** (Coursera verified certificates)

- **Risk Management Professional (PMI-RMP®) Certification Course Specialization**
  - **Project management and risk fundamentals**
  - **Risk strategy and planning**
  - **Risk identification**
  - **Risk analysis**
  - **Risk response**
  - **Monitor and close risks**

05.2025 – 05.2025 **CrewAI**

- **Multi-Agent AI: Performing complex tasks with collaborative agents.** (webinar)

#### **IBM Skills Network**

- **Generative AI for Digital Marketing Specialization** (Coursera verified certificates)
  - **Generative AI: Accelerate your Digital Marketing Career**

#### **LearnKartS** (Coursera verified certificates)

- **Program Management Professional PMI-PgMP® Certification Prep Specialization**
  - **PgMP® Performance Domains – Strategy, Benefits, and Stakeholder**
  - **PgMP® Performance Domains – Governance and Lifecycle**

#### **Bitkom Akademie**

- **KI-Kompetenz für Unternehmen: Grundlagen & Pflichten nach der KI-VO** (AI Competence for companies: Principles and obligations according to the EU AI Act) (webinar)

#### **DeepLearning.AI | LiveKit, RealAvatar.AI & ElevenLabs**

- **Building AI Voice Agents for Production** (certificate)

#### **DeepLearning.AI | CircleCI**

- **Automated Testing for LLMops** (certificate)

04.2025 – 04.2025 **DeepLearning.AI | HuggingFace**

- **Building Code Agents with Hugging Face smolagents** (certificate)

#### **DeepLearning.AI | AGI Inc.**

- **Building AI Browser Agents** (certificate)

#### **Landing.AI**

- **Anomaly Detection Model Optimization in LandingLens** (webinar)

#### **Bitkom Akademie**

- **Der KI-Beauftragte und der Datenschutzbeauftragte. Rollen im Überblick.** (AI Manager & Data Privacy Manager: Overview) (webinar)

#### **IBM Skills Network**

- **Generative AI: A Game Changer for Program Managers** (Coursera verified certificate)

#### **Coudera Instructor Network**

- **GenAI for Algorithmic Trading** (Coursera verified certificate)

#### **IBM Skills Network**

- **Generative AI for Educators Specialization** (Coursera verified certificates)
  - **Generative AI: Empowering Modern Education**

#### **Synthesia Academy**

- **Introduction to Synthesis** (certificate)
- **The Foundations of Video Creation** (certificate)
- Coursera Instructor Network | Get Compliant**
- **AI and European Union Law: Navigating Regulatory Compliance** (Coursera verified certificate)
- Bitkom Akademie**
- **KI & Phishing** (AI & Phishing) (webinar)
- HeyGen Academy** (online training)
- **HeyGen Academy 101**
- 03.2025 – 04.2025 **Technische Universität München, School of Social Sciences and Technology | appliedAI Institute for Europe**
- **EU AI Act Essentials** (AI Campus certificate)
- 03.2025 – 03.2025 **DeepLearning.AI | Replit**
- **Vibe Coding 101 with Replit** (certificate)
- DeepLearning.AI | LangChain**
- **LangChain for LLM Application Development** (certificate)
- DeepLearning.AI | LangChain & Tavily**
- **AI Agents in LangGraph** (certificate)
- Wordware.AI** (online training)
- Botpress Academy** (online training)
  - **Guide to the Botpress Interface: Studio**
  - **Guide to the Botpress Interface: Dashboard**
  - **How to Optimize Files for RAG**
  - **How to Use Autonomous Nodes**
- IBM Skills Network**
- **Generative AI for Customer Support Specialization** (Coursera verified certificate)
  - **Generative AI: Transform Your Customer Support Career**
- 02.2025 – 07.2025 **Google**
- **Google Project Management: Professional Certificate** (Coursera verified certificates)
  - **Foundations of Project Management**
  - **Project Initiation: Starting a Successful Project**
  - **Project Planning: Putting It All Together**
  - **Project Execution: Running the Project**
  - **Agile Project Management**
  - **Capstone: Applying Project Management in the Real World**
- 02.2025 – 02.2025 **Asana Academy**
- **Asana Foundations Skill Badge** (certificate)
- **Workflow Specialist Certificate** (certificate)
- IBM Skills Network**
- **Generative AI for HR Professionals Specialization** (Coursera verified certificates)
  - **Generative AI: Advance Your Human Resources (HR) Career**
- DeepLearning.AI | Windsurf.AI**
- **Build Apps with Windsurf's AI Coding Agents** (certificate)
- DeepLearning.AI | Anthropic**
- **Building towards computer use with Anthropic** (certificate)
- **Developing LLM Applications with LangChain Skill Track** (DataCamp certificates)
- **LLM Ops** (DataCamp certificate)
- **Working with Llama 3** (DataCamp certificate)
- **Fine-tuning with Llama 3** (DataCamp certificate)

- 01.2025 – 02.2025 **Landing.AI**
- LandingLens Computer Vision Fundamentals (course certificate)
  - Landing.AI for Beginners: Build Data Visualization AI Models (Coursera verified certificate)
- H2O.ai University**
- Large Language Models Specialization (Coursera verified certificate)
    - H2O ai Large Language Models (LLMs) - Level 1
- 11.2024 – 01.2025 **IBM Skills Network**
- IBM Program Manager Professional Certificate (Coursera verified certificates)
    - Introduction to Program Management
    - Program Management Framework, Strategy, and Planning
    - Introduction to Agile Development and Scrum (using ZenHub)
    - Program Management Execution, Stakeholders & Governance
    - Program Manager Capstone
    - PMI-PgMP Certification Preparation
- 04.2024 – 02.2025
- IBM AI Product Manager Professional Certificate (Coursera verified certificates)
    - Product Management: An Introduction
    - Product Management: Foundations & Stakeholder Collaboration
    - Product Management: Initial Product Strategy and Plan
    - Product Management: Developing and Delivering a New Product
    - Introduction to Artificial Intelligence (AI)
    - Generative AI: Introduction and Applications
  - Generative AI for Product Managers Specialization (Coursera verified certificates)
    - Product Management: Building AI-powered Products
    - Generative AI: Supercharge your Product Management Career
- 01.2025 - 01.2025 **Google Cloud** (Coursera verified certificates)
- Build Generative AI Agents with Vertex AI and Flutter
  - Gemini for Google Cloud Learning Path Specialization: Gemini for Data Scientists and Analysts
- IBM Skills Network**
- Vector Database Fundamentals Specialization (Coursera verified certificates)
    - Vector Databases: An Introduction with Chroma DB
    - Vector Search with NoSQL Databases using MongoDB & Cassandra
- 12.2024 – 01.2025 **MongoDB University**
- Building Gen-AI Apps Learning Badge Path (certificates)
    - Using Vector Search for Semantic Search
    - Using Atlas Vector Search for RAG Applications
    - Managing Atlas Vector Search Indexes
  - Deploying and Evaluating GenAI Apps Learning Badge Path (certificates)
    - Chunking Data for RAG Applications
    - Evaluating RAG Application Results
    - Deployment Options for GenAI Apps with MongoDB
    - Best Practices for Atlas Vector Search Performance
  - Building AI Apps on AWS Learning Badge Path (certificates)
    - Semantic Search for AWS Users
    - Building RAG Applications with Atlas Vector Search and Amazon Bedrock
- 12.2024 – 12.2024 **DeepLearning.AI | OpenAI**
- Reasoning with o1 (certificate)
  - Collaborative Writing and Coding with OpenAI Canvas (certificate)
- DeepLearning.AI | Amazon Web Services (AWS)**
- Serverless Agentic Workflows with Amazon Bedrock (certificate)
  - Serverless LLM apps with Amazon Bedrock (certificate)
- DeepLearning.AI | Upstage AI**
- Pretraining LLMs (certificate)

- DeepLearning.AI | Meta**
  - **Introducing Multimodal Llama 3.2** (certificate)
- DeepLearning.AI | Guardrails.AI**
  - **Safe and Reliable AI via Guardrails** (certificate)
- DeepLearning.AI | Qualcomm**
  - **Introduction to On-Device AI** (certificate)
- DeepLearning.AI | Mistral AI**
  - **Getting started with Mistral** (certificate)
- DeepLearning.AI | MongoDB**
  - **Prompt Compression and Query Optimization** (certificate)
- DeepLearning.AI | Qdrant**
  - **Retrieval Optimization: Tokenization to Vector Quantization** (certificate)
- DeepLearning.AI | Weaviate**
  - **Vector Databases: From Embeddings to Applications** (certificate)
- 11.2024 – 12.2024 **University of Virginia, Darden School of Business**
  - **Digital Product Management Specialization / Agile Development Specialization: Product Analytics and AI** (Coursera, audited)
    - **Introduction and Customer Analytics**
    - **Demand Analytics**
    - **UX Analytics**
    - **Data Science and AI**
- 11.2024 – 12.2024 **Vanderbilt University, Data Science Institute**
  - **Generative AI and Model Selection** (Coursera verified certificates)
- University of Michigan, Stephen M. Ross School of Business**
  - **Generative AI for Business Specialization** (Coursera verified certificates)
- Fractal Analytics**
  - **Generative AI for Business Consultants** (Coursera verified certificate)
- DeepLearning.AI | Haystack**
  - **Building AI Applications with Haystack** (certificate)
- DeepLearning.AI | Pinecone**
  - **Building Applications with Vector Databases** (certificate)
- DeepLearning.AI | Weaviate**
  - **Building Multimodal Search and RAG** (certificate)
- DeepLearning.AI | LlamaIndex**
  - **Building Agentic RAG with Llamaindex** (certificate)
- 10.2024 – 10.2024 **DeepLearning.AI | crewAI**
  - **Practical Multi AI Agents and Advanced Use Cases with CrewAI** (certificate)
- DeepLearning.AI | Intel**
  - **Multimodal RAG: Chat with Videos** (certificate)
- DeepLearning.AI | Google Cloud**
  - **Large Multimodal Model Prompting with Gemini** (certificate)
  - **LLMOps – Large Language Models Operations** (certificate)
- 09.2024 – 10.2024 **Deutsches Forschungszentrum für Künstliche Intelligenz (German Research Center for Artificial Intelligence)**
  - **KI und Leadership (AI and Leadership)** (AI Campus certificate)
- IU Internationale Hochschule**
  - **Identifikation von KI Use Cases (Identification of AI Use Cases)** (AI Campus certificate)
- Universität zu Lübeck**
  - **KIÖV – KI in öffentlichen Verwaltungen (AI in the Public Sector)** (AI Campus certificate)

- Technische Universität München, School of Computation, Information and Technology** (AI Campus certificate)
- **Identifikation geeigneter KI-Anwendungsfälle** (Identification of appropriate AI applications) (AI Campus certificate)
- 09.2024 – 09.2024 **Technische Universität Dresden, Institut für Mechatronische Maschinenwesen** (AI Campus certificate)
- **Ganzheitliche angewandte KI im Ingenieurbereich** (Applied AI in Engineering)
    - **Deep Learning für Zeitreihen/sequentielle Prozessdaten** (DL for time series data/sequential process data, using TensorFlow)
- Deutsches Forschungszentrum für Künstliche Intelligenz**
- **Deep Learning mit Tensorflow, Keras und Tensorflow.js** (AI Campus certificate)
- 07.2024 – 12.2024 **Imperial College London**
- **TensorFlow 2 for Deep Learning Specialization** (Coursera, audited)
    - **Getting started with TensorFlow 2** (using the Keras API)
    - **Customising your models with TensorFlow 2**
    - **Probabilistic Deep Learning with TensorFlow 2**
- 07.2024 – 08.2024 **University of Colorado System, School of Business**
- **Data Science for Marketing Specialization** using R (Coursera verified certificates)
    - **Customer Data Analytics for Marketers**
    - **Regression Modeling for Marketers**
    - **Machine Learning for Marketers**
    - **Time, Change, and Decisions for Marketing**
- 03.2024 – 12.2024 **Stanford University | DeepLearning.AI** (Coursera verified certificates and audited)
- Online training with Prof. Dr. Andrew Ng, a globally recognized leader in AI and founder of Coursera and of DeepLearning.AI. This specialization is part of the Artificial Intelligence Graduate Certificate, Stanford School of Engineering.
- **Machine Learning Specialization** (using Python/TensorFlow)
    - **Supervised Machine Learning: Regression and Classification**
    - **Advanced Learning Algorithms**
    - **Unsupervised Learning, Recommenders, Reinforcement Learning**
- DeepLearning.AI.** This specialization is part of the Artificial Intelligence Graduate Certificate, Stanford School of Engineering.
- **Deep Learning Specialization** using TensorFlow (Coursera, audited)
    - **Neural Networks and Deep Learning**
    - **Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization**
    - **Structuring Machine Learning Projects**
    - **Convolutional Neural Networks (CNNs)**
- 06.2024 – 07.2024 **DeepLearning.AI**
- **DeepLearning.AI TensorFlow Developer Professional Certificate** (Coursera, audited)
    - **Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning**
    - **Convolutional Neural Networks in TensorFlow**
    - **Natural Language Processing in TensorFlow**
    - **Sequences, Time Series and Prediction**
- DeepLearning.AI | OpenAI**
- **ChatGPT Prompt Engineering for Developers** (certificate)
- 02.2024 – 08.2024 **DeepLearning.AI | WhyLabs**
- **Quality and Safety for LLM Applications** (certificate)
- DeepLearning.AI | HuggingFace**
- **Building Generative AI Applications with Gradio** (certificate)
  - **Open Source Models with HuggingFace** (certificate)
- DeepLearning.AI | CrewAI**
- **Multi AI Agent Systems with CrewAI** (certificate)

- 07.2024 – 09.2024 **IBM Skills Network**
- **Generative AI for Project Managers Specialization** (Coursera, audited)
    - **Generative AI: Unleash Your Project Management Potential**
  - **Generative AI for Business Intelligence (BI) Analysts Specialization** (Coursera, audited)
    - **Generative AI Elevate your Business Intelligence Career**
- 08.2024 – 08.2024 **Vanderbilt University, School of Engineering, Initiative on the Future of Learning & Generative AI**
- **ChatGPT & Zapier: Agentic AI for Everyone** (Coursera, audited)
- 04.2024 – 04.2024 **University of Virginia, Darden Business School**
- **Digital Business Strategy** (Coursera, audited)
  - **Innovating with the Business Model Canvas** (Coursera, audited)
- Lund University, School of Economics and Management**
- **Digital Business Models** (Coursera, audited)
- 03.2024 – 04.2024 **UCLA University of California, Los Angeles – Advanced Research Computing, Statistical Methods and Data Analytics** (online workshops)
- **Zero-Inflated and Hurdle Models for Count Data** (using R)
  - **Beyond Logistic Regression in R**
- 03.2024 – 03.2024 **DeepLearning.AI**
- **AI for Good Specialization** (Coursera verified certificates)
    - **AI and Public Health**
    - **AI and Climate Change**
    - **AI and Disaster Management**
- Universität Bamberg, Fraunhofer-Institut für Integrierte Schaltungen IIS – Kompetenzzentrum "Geschäftsmodelle in der digitalen Welt" (KI Campus/AI Campus)**
- **Erklärbares Maschinelles Lernen für Ingenieurwissenschaften** (using Python)
- Google Cloud Skills Boost**
- **Introduction to Generative AI Learning Path**
  - **Generative AI for Developers Learning Path**
- Project Management Institute**
- **Generative AI Overview for Project Managers**
- IBM Skills Network**
- **Generative AI Fundamentals Specialization** (Coursera verified certificate)
    - **Generative AI: Introduction and Applications**
- 02.2024 – 03.2024
- **Generative AI for Data Scientists Specialization** (Coursera verified certificates)
    - **Generative AI: Foundation Models and Platforms**
    - **Generative AI: Prompt Engineering Basics**
    - **Generative AI: Elevate your Data Science Career**
  - **Generative AI for Data Analysts Specialization** (Coursera verified certificates)
    - **Generative AI: Elevate your Data Analytics Career**
- 02.2024 – 03.2024 **London Business School, Strategy and Entrepreneurship**
- **Future Ready Company Specialization** (Coursera, audited)
    - **New Ways of Working in an AI World**
    - **Introduction to Digital Transformation: Change & Disruption**
- 02.2024 – 03.2024 **Vanderbilt University, School of Engineering, Initiative on the Future of Learning & Generative AI**
- **Generative AI for Leaders** (Coursera, audited)
  - **GPT Vision: Seeing the World through Generative AI** (Coursera, audited)
- 02.2024 – 03.2024 **DeepLearning.AI** (Coursera verified certificates)
- **Generative AI with Large Language Models** (using FLAN-T5 LLM within Amazon SageMaker Studio)
  - **Generative AI for Everyone**
  - **AI For Everyone**
- 02.2024 – 02.2024 **Coursera Instructor Network: Navigating Generative AI for Leaders Specialization** (verified certificates)

- Navigating Generative AI: A CEO Playbook
  - Setting a Generative AI Strategy
  - The Role of the CEO in Navigating GenAI
  - Empowering and transforming your organization with GenAI
  - Navigating Generative AI risks for leaders
- 01.2024 – 02.2024 **University of Pennsylvania, the Wharton School**
- **AI For Business Specialization** (Coursera verified certificates)
    - **AI Fundamentals for Non-Data Scientists**
    - **AI Applications in Marketing and Finance**
    - **AI Applications in People Management**
    - **AI Strategy and Governance**
- 01.2024 – 03.2024 **Leibniz Universität Hannover | Universität Freiburg | Ludwig-Maximilians-Universität München - Institut für Statistik, Munich Center for Machine Learning | University of Wyoming**
- **AutoML - Automated Machine Learning** (AI Campus, online)
- 12.2023 – 12.2023 **Stanford University, Graduate School of Business**
- **Machine Learning & Causal Inference: A short course** using R (online training)
- Utrecht University, Department of Methods and Statistics** (online training with Prof. van de Schoot)
- **(Multilevel) Generalised Linear Models** (with lme4 and brms)
  - **Bayesian Regression with blavaan** (Bayesian Latent Variable Analysis)
- University of Missouri, Department of Psychological Sciences** (online training with Prof. Merkle)
- **Bayesian Latent Variable Modeling in R with blavaan**
  - **Online Causal Inference Seminar: Estimating Heterogenous Treatment Effects in R**
- Drexel University, LeBow College of Business – Center for Business Analytics** (online training with Prof. McDonnell Feit)
- **Analyzing Experiments Using Causal Forests**
  - **Advanced A/B Testing**
- 11.2023 – 11.2023 **University of Kansas, Center for Accessible Teaching, Learning, and Assessment Systems**
- **Bayesian Regression Modeling with rstanarm** R (Datacamp certificate)
- UASLP Autonomous University of San Luis Potosí, School of Economics (Mexico)**
- **Feature Engineering in R** (using tidymodels, Datacamp certificate)
  - **A/B Testing in R** (Datacamp certificate)
  - **Categorical Data in the tidyverse** (Datacamp certificate)
  - **Creating Dashboards with shinydashboard** (using R, Datacamp certificate)
- 10.2023 – 11.2023 **Vanderbilt University, School of Engineering, Initiative on the Future of Learning & Generative AI**
- **ChatGPT Advanced Data Analysis** (Coursera, audited)
- Duke University, Pratt School of Engineering**
- **AI Product Management Specialization: Managing Machine Learning Projects** (Coursera)
- 10.2023 – 12.2023 **Duke University, Department of Statistical Science**
- **Statistics with R Specialization: Bayesian Statistics** (Coursera)
- 09.2023 – 12.2023 **University of California, Santa Cruz, Department of Applied Mathematics and Statistics**
- **Bayesian Statistics Specialization** using R (Coursera)
- 05.2023 – 09.2023 **Michigan Technological University, Cognitive and Learning Science Department – Applied Cognitive Science and Human Factors Program**
- **Advanced Statistical Analysis & Design II** (using R, online tutorials with Prof. S. Mueller)
    - **Tutorials on Shiny**
    - **Power Analysis**
    - **Mixture Modeling: Mixture of Regressions**
    - **Using ggplot2 and qplot**
    - **Data Management with dplyr, tidyr, and reshape2**
    - **Support Vector Machines**
    - **Artificial Neural Networks**
    - **Classification and Regression Trees and Random Forests classifiers**

- K-Nearest-Neighbor classifiers
  - Naive Bayes Classifiers
  - Logistic regression
  - Generalized linear regression
  - Classification: Linear Discriminant and Quadratic Discriminant Analysis (LDA, QDA) Approaches
  - Multinomial regression model
  - Structural Equation Modeling with lavaan
  - Exploratory Factor Analysis
  - Correspondence Analysis, Multiple Correspondence Analysis, and Mediation Analysis
  - Testing and Modeling Multiple Dependent Variables (Multivariate Analysis of Variance - MANOVA, Canonical Correlation Analysis)
  - Principal Components Analysis
  - Model-Based Clustering
  - Clustering Methods
  - Multi-dimensional Scaling
  - Psychometrics: Validity and Reliability
  - Advanced Psychometrics using Item Response Theory, the Rasch Model, and related concepts
- 08.2023 – 09.2023
- **Machine Learning with Tree-Based Models in R** (Datacamp certificate)
  - **Inference for Categorical Data in R** (Datacamp certificate)
  - **Inference for Numerical Data in R** (Datacamp certificate)
  - **Fundamentals of Bayesian Data Analysis in R** (Datacamp certificate)
  - **Bayesian Modeling with RJAGS** (Datacamp certificate)
- 05.2023 – 08.2023
- UCLA University of California, Los Angeles – Advanced Research Computing, Statistical Methods and Data Analytics** (online workshops)
- **R Data Management**
  - **RMarkdown Basics**
  - **Power Analysis/Sample Size Calculation**
  - **Robust Regression**
- Models for Binary and Categorical Outcomes**
- **Logistic Regression**
  - **Exact Logistic Regression**
  - **Multinomial Logistic Regression**
  - **Ordinal Logistic Regression**
  - **Probit Regression**
  - **Mixed Effects Logistic Regression**
- Count Models**
- **Poisson Regression**
  - **Negative Binomial Regression**
  - **Zero-Inflated Poisson Regression**
  - **Zero-Inflated Negative Binomial Regression**
  - **Zero-Truncated Poisson Regression**
  - **Zero-Truncated Negative Binomial Regression**
- Censored and Truncated Regression**
- **Tobit Regression**
  - **Truncated Regression**
  - **Interval Regression**
- Ghent University, Department of Data Analysis – Summer School: Using R for personality research**
- **Latent Variable Analysis lavaan tutorial** (online tutorial)
- 06.2023 – 08.2023
- IBM Developer Skills Network**
- **Professional Certificate in Data Science: SQL for Data Science with R** (Coursera, audited)
- 03.2023 – 06.2023
- Harrisburg University of Science and Technology** (online training with Prof. E. Buchanan)
- **Master of Science in Analytics: Structural Equation Modeling** (using R)
- 01.2023 – 06.2023
- University of Bristol, School of Education – Centre for Multilevel Modelling (CMM)**
- **Learning Environment for Multilevel Methodology and Applications** (using R)
- 01.2023 – 03.2023
- University of Michigan, School of Information – Institute for Social Research**
- **Total Data Quality Specialization** (Coursera verified certificates)

**University of Utrecht, Methodology and Statistics Department**

- Handling missing data in R with mice

**UCLA University of California, Los Angeles – Advanced Research Computing, Statistical Methods and Data Analytics (online workshops)**

- Repeated Measures Analysis with R
- Survey Data Analysis with R
- Missing Data in R
- Reshaping Data with tidyr (Datacamp certificate)
- Data Manipulation with dplyr (Datacamp certificate)
- Handling Missing Data with Imputations in R (Datacamp certificate)
- Machine Learning in the tidyverse
- Shiny Fundamentals with R (Datacamp)
  - Building Web Applications with Shiny in R
  - Building Dashboards with shinydashboard
  - Building Dashboards with flexdashboard
  - Case Studies: Building Web Applications with Shiny in R

**IBM & University of Virginia, Darden Business School**

- Digital Strategy Specialization (Coursera verified certificates)
  - The Strategist's Challenge
  - Introduction to Digital Transformation / Cloud Computing / AI

11.2022 – 12.2022 **Emory University, Goizueta Business School**

- Management Consulting Specialization (Coursera, audited)

10.2022 – 11.2022 **University of Michigan, Gerald R. Ford School of Public Policy**

- Data Analytics in the Public Sector with R Specialization (Coursera verified certificate)
  - Assisting Public Sector Decision Makers with Policy Analysis

**Monash University, Department of Econometrics and Business Statistics**

- Forecasting in R (Datacamp certificate)

**KU Leuven, Department of Mathematics, Section of Statistics and Data Science**

- Fraud Detection in R (Datacamp certificate)
- Introduction to Anomaly Detection in R (Datacamp certificate)
- Advanced Dimensionality Reduction in R (Datacamp certificate)
- Data Privacy and Anonymization in R (Datacamp certificate)
- Cleaning Data in R (Datacamp certificate)

**Erasmus University Rotterdam, School of Management**

- NCA Necessary Condition Analysis using R (Coursera verified certificate)

08.2022 – 09.2022 **UCLA University of California, Los Angeles – Advanced Research Computing, Statistical Methods and Data Analytics (online workshops)**

- Latent growth models (LGM) and Measurement Invariance with R in lavaan
- Introduction to Structural Equation Modeling (SEM) in R
- Confirmatory Factor Analysis (CFA) in R with lavaan

07.2022 – 08.2022 **University of Essex | University of Manchester | University of Southampton | University College London | University of Edinburgh : UK Data Service (online workshops)**

- Crime Data in R Workshop
- Exploring crime surveys with R (workshop)

**Harrisburg University of Science and Technology**

- Structural Equation Modeling with lavaan in R (Datacamp certificate)
- Statistician with R Specialization (Datacamp certificates)
  - Factor Analysis
  - Survival Analysis
  - Analyzing Survey Data
  - Experimental Design

**George Mason University, Business Analytics**

- **Modeling with tidymodels in R** (Datacamp certificate)
- **Business Process Analytics in R** (Datacamp certificate)
- **Mixture Models in R** (Datacamp certificate)

**University of Oxford | University of Leeds | University of Liverpool | University College London:  
UK Consumer Data Research Centre (workshops)**

- **Short Course on Using R as a GIS**
- **An Introduction to Spatial Data Analysis and Visualisation in R**
- **Creating a Geodemographic Classification Using K-means Clustering in R**
- **Retail Centres and Catchment Areas**
- **Internet User Classification (IUC) and K-Means Clustering**
- **Access to Healthy Assets & Hazards (AHAH) and Multi-Dimensional Indices**

02.2022 – 03.2022 **Erasmus University Rotterdam, School of Social and Behavioral Sciences**

- **Multilevel Modeling** using R (Coursera verified certificate)

01.2022 – 03.2022

- **R for Marketing Research and Analytics** (online training with Chris Chapman, Principal Quantitative UX Researcher at Google), and Prof. McDonnell Feit, Drexel University's LeBow College of Business)

01.2022 – 04.2022

**University of Maryland, College Park | University of Michigan, Institute for Social Research – Joint Program in Survey Methodology**

- **Survey Data Collection and Analytics Specialization** (using R, Coursera verified certificates)

**University of Colorado, Boulder – Engineering Management Program**

- **Data Science Methods for Quality Improvement Specialization** (using R, Coursera verified certificates)
  - **Measurement System Analysis (MSA)**
  - **Managing, Describing, and Analyzing Data**
  - **Stability and Capability in Quality Improvement**

**TU/e Eindhoven University of Technology, Department of Mathematics & Computer Science**

- **Introduction to Process Mining in Healthcare** (using ProM and R, FutureLearn, audited)

**University System of Georgia, Department of Systems and Industrial Engineering**

- **Six Sigma Black Belt Specialization** (Coursera, audited)

12.2021 – 12.2021

**MIT Massachusetts Institute of Technology, Sloan School of Management**

- **Optimization Methods for Business Analytics** (using OpenSolver/R, edX, audited)

11.2021 – 12.2021

**National Taiwan University, Department of Information Management**

- **Operations Research Specialization** using MS Excel Solver/R (Coursera verified certificate)

09.2021 – 11.2021

**Columbia University, Business School**

- **Marketing Analytics** using R (edX, audited)

**Duke University, Social Science Research Institute**

- **Causal Inference with R Specialization** (Datacamp certificates)

09.2021 – 10.2021

**University of Colorado, Boulder**

- **Statistical Modeling for Data Science Applications Specialization** using R (Coursera, audited)
  - **ANOVA and Experimental Design**
  - **Generalized Linear Models and Non-parametric Regression**

**University of Illinois at Urbana-Champaign, GIES College of Business**

- **Machine Learning Algorithms with R in Business Analytics** using R (Coursera, audited)

04.2021 – 12.2021

**Johns Hopkins University, Bloomberg School of Public Health**

- **Tidyverse Skills for Data Science in R Specialization** (Coursera, audited)
- **Data Science Specialization: Developing Data Products in R** (dashboards, interactive graphics, maps)
- **Data Visualization and Dashboarding with R Specialization** (plotly, shiny, flexdashboard)

05.2021 – 11.2021

**University of Minnesota, Carlson School of Management**

- **Analytics for Decision-making Specialization: Advanced Models for Decision-making** using MS Excel Solver (Coursera, audited)

04.2021 – 04.2021

**Massachusetts Institute of Technology, MIT Critical Data**

- **Collaborative Data Science for Healthcare** using R and SQL (edX verified certificate)

Medical Information Mart for Intensive Care (MIMIC-III) database (electronic health records).  
Observational studies: cohort definition, machine learning (linear, logistic, survival, ensemble, and marginal structural models)

- 03.2021 – 04.2021 **The University of British Columbia, School of Population and Public Health**
  - **Policy Analysis using Interrupted Time Series** using R (edX verified certificate)
- University of Pennsylvania, Perelman School of Medicine, Department of Biostatistics – Center for Causal Inference**
  - **A Crash Course in Causality: Inferring Causal Effects from Observational Data** using R (Coursera verified certificate)
- 02.2021 – 06.2021 **University of Colorado, Anschutz Medical Campus**
  - **Clinical Data Science Specialization** (Coursera, audited)
- 12.2020– 03.2021 **SAS Institute Inc.**
  - **Statistical Thinking for Industrial Problem Solving** using SAS/JMP Pro (Coursera verified certificate)
- 07.2020 – 12.2021 **Arizona State University – School of Computing, Informatics, and Decision Systems Engineering**
  - **Design of Experiments Specialization** using SAS/JMP Pro (Coursera, audited)
- 04.2020 – 06.2020 **University of California, San Diego**
  - **Interaction Design Specialization: Designing, Running, and Analyzing Experiments** using R (Coursera verified certificate)
- 03.2019 – 04.2020 **MIT Massachusetts Institute of Technology, Center for Transportation & Logistics**
  - **MicroMasters Program in Supply Chain Management** (edX, audited)
- 11.2019 – 07.2020 **Technische Universität München, Production and Supply Chain Management**
  - **edX Professional Certificate in Six Sigma and Lean: Quantitative Tools for Quality and Productivity** (edX, audited)
- 03.2020 – 03.2020 **University of Amsterdam, IBIS UvA Lean Six Sigma Institute**
  - **Data Analytics for Lean Six Sigma** (Coursera verified certificate)
- 02.2020 – 07.2020 **MIT Massachusetts Institute of Technology, Statistics and Data Science Center**
  - **MicroMasters Program in Statistics & Data Science: Data Analysis for Social Scientists** using R (edX, audited)
- 02.2019 – 05.2019 **MIT Massachusetts Institute of Technology, Sloan School of Management**
  - **Healthcare Finance** (edX verified certificate)
- 05.2018 – 06.2018 **MIT Massachusetts Institute of Technology, Statistics and Data Science Center (SDSC)**
  - **Data Science and Big Data Analytics. Making Data-Driven Decisions** (certificate)
- 10.2017 – 12.2017 **University of Pennsylvania, The Wharton School**
  - **Business Analytics Specialization (Customer | Operations | Accounting | People Analytics)** (Coursera verified certificates)
- 06.2017 – 08.2017 **MIT Massachusetts Institute of Technology, Sloan School of Management**
  - **Master’s program in Business Analytics: The Analytics Edge** (edX verified certificate)

**LANGUAGES**  
**English** Fluent  
**German** Fluent (Goethe-Zertifikat C2, 2015)  
**French** Fluent  
**Italian** Fluent  
**Spanish** Native

**IT SKILLS**  
**AI Artificial Intelligence · Advanced Statistics & Analytics / Machine Learning & Deep Learning Generative AI Tools**  
 Prompt engineering for text, image, code, speech, video, data generation/augmentation/preparation; machine learning modeling, interactive dashboarding and story-telling. LLMs, LMMs for multimodal and LVLMs for vision AI workflows. Vector databases. Multi-agent AI frameworks. Tools include: CrewAI, Nvidia, LangChain, LangGraph, Botpress, BeeAI, AG2 (AutoGen), Windsurf, Wordware, Tavily. Anthropic: Claude models, Model Context Protocol (MCP). Vibe coding: Replit. OpenAI: ChatGPT, GPTx, Canvas. Meta: Llama Stack, Llama 3x and 4 models (Maverick/Scout). IBM: watsonx.ai, Granite models, Agent Communication Protocol (ACP). Amazon: AWS SageMaker Studio, Amazon Bedrock, Amazon Titan, Amazon Transcribe, AWS Lambda. Google: NotebookLM, Generative AI Studio (language, image, speech, video) & Vertex AI

Studio), Gemini Pro/Vision/Flash/Gemma, Vertex AI Search, Agent Builder, Agent Communication Protocol (ACP). Landing.AI: LandingLens for computer vision models, including agentic AI. Video generation: Synthesia, HeyGen. Mistral AI: Mistral and, Mixtral models, Pixtral. Perplexity, DeepSeek and Moonshot.AI (Kimi) models. Databases: MindsDB, MongoDB, Weaviate, Haystack, Pinecone, Qdrant. Asana (collaborative project management). CircleCI. Grammarly. ETL: Astronomer (using Apache Airflow 3 for automating GenAI applications pipelines). Python for AI applications. LLM red-teaming: Giskard, Serper.dev. MS Copilot, Stable Diffusion, Hugging Face, CodeTester, Programiz, JSFiddle, DataRobot, DB Sensei, SQLthroughAI, Einblick ChartGen AI, Akkio, chatcsv.co, ChartPixel, ClickUp, Gamma, LlamaIndex, LM Studio.

**R / RStudio** tidyverse, tidymodels, plotly, Markdown and Shiny for web applications, dynamic reporting & dashboards. R is a free statistical computing/programming software

**TensorFlow / Keras** for deep learning (neural network models). TensorFlow is an end-to-end open-source platform for machine learning/deep learning development.

#### **WEBSITES**

Self-created personal website (design, code, deployment): <https://sblanco.netlify.app/>

Generative AI applications: <https://huggingface.co/scblanco>

R websites (advanced stats analyses): <https://sblanco.shinyapps.io/myapp/> & <https://rpubs.com/scblanco>

Tableau (BI): <https://public.tableau.com/profile/silvia.blanco>

#### **AFFILIATIONS**

ETH Zürich Alumni Association, Math · Phys Chapter

Delta Mu Delta International Honor Society in Business Administration

#### **INTERESTS**

(Jigsaw) Puzzles, languages, health & nutrition, (aqua)fitness, nature, travel, higher education, AI

#### **TESTS**

Mensa Switzerland official IQ Test (10.2018): 123 Wechsler scale, standard deviation 15, 94<sup>th</sup> percentile

MBTI Myers-Briggs Type Indicator: INTJ personality

DISC Profile: DC-style personality