

SUMMARY

Data scientist and engineer with 8 years turning ambiguous business questions into **data-driven product strategy** – designing experiments and **evaluation frameworks**, building **statistical and ML models**, and drawing insights from large-scale **quantitative and qualitative data**. Track record **presenting analysis and recommendations to executive and cross-functional stakeholders** (product, engineering, risk/compliance, UX) and **leading through influence** without direct authority. Deep hands-on expertise in **GenAI/LLM systems**, **agentic** architectures, and **multi-modal** pipelines, partnering closely with **GenAI teams** to ship production models that improve model quality, personalization, and feature adoption. Cloud-agnostic across **Azure** and **AWS**, with **Kubernetes** and **Terraform** at the core.

EXPERIENCE

- 5/2025 – Present **Tech Delivery Manager & AI Champion** **UBS, Switzerland**
- Lead end-to-end delivery of **GenAI**, **agentic**, and **ML** systems from discovery through production; run **technical discovery sessions with business and executive stakeholders**, translate ambiguous questions into well-defined problems and deployable architectures, and mentor engineers on **LLM infrastructure**, **evaluation**, and **observability**.
 - **RED** – Built **multi-modal** capabilities (**STT**, **TTS**) and a new skill for UBS's internal **RAG** chatbot; redesigned the **PDF parsing engine** of the RAG ingestion pipeline, improving retrieval quality on complex financial documents.
 - **FAIR** – Architected a **GenAI extraction pipeline** parsing unstructured financial statements and allocating line-item values to structured BILA records; designed the **evaluation harness** (accuracy, hallucination, latency) gating each release, and presented findings to senior stakeholders.
 - **PMO AI** – Shipped an **agentic GenAI** tool using **LangGraph** with **ReAct** and **hierarchical delegation** patterns, integrating across multiple project-management and document data sources to generate summary statistics, track progress, and flag blockers.
 - **KYC AI** – Built an **agentic GenAI** system that cross-checks KYC asset-justification consistency across customer accounts; owned **tracing**, **cost-per-request** monitoring, and **safety** guardrails for production roll-out.
- Python / Typescript / LangGraph / LLMs / Multi-Agent / RAG / Multi-Modal / Kubernetes / PyTorch
- 1/2024 – 5/2025 **Senior Software Engineer & Data Scientist** **UBS, Singapore**
- **Global Transaction Monitoring** – Designed and built a centralized, high-throughput **ML platform** for bank-wide money-laundering risk, consolidating **17** legacy models onto a unified **inference**, **evaluation**, and **observability** pipeline; identified trends and generated summary statistics across model populations to prioritize remediation.
 - Owned **model governance**, drift monitoring, and **root-cause tooling**; partnered directly with **risk**, **compliance**, and **senior stakeholders**, presenting analysis and model-performance insights and translating regulatory requirements into engineering deliverables.
 - Built reusable **data pipelines** for structured and unstructured inputs on **Spark** and **Kubernetes**, with **Terraform**-managed infrastructure on **Azure**.
- Python / SQL / Spark / Kubernetes / Azure / Terraform / Distributed Systems
- 7/2020 – 1/2024 **Senior Software Engineer / Data Scientist & Scrum Master** **UBS, Switzerland**
- **Audio Surveillance** – Built a scalable **multi-modal (audio + NLP)** production system; lifted language-detection **balanced accuracy** to **99%** (from 90%), **WER** to **5%** (from 35%), and alert **precision** to **30%** from random baseline – driven by rigorous statistical evaluation of model iterations.
 - **Search Engine** – Developed an early in-house **RAG-style semantic search engine** using **LLM embeddings** and a **vector index**, replacing keyword retrieval for internal users.
 - **Transaction Monitoring** – Shipped an **explainable ML** fraud-detection model achieving **20x** precision and **7x** recall vs. the production champion, presenting model comparisons and business impact to stakeholders.
 - **Trade Surveillance** – Built a streaming **ML** anomaly-detection system on **Kafka** for real-time trading-misconduct detection.
 - Led a small cross-functional squad as **Scrum Master**, mentoring junior engineers and driving engineering practices across the team.
- Python / SQL / Javascript / PyTorch / Scikit-learn / Kafka / Kubernetes / Azure

3/2018 – 6/2020	Data Scientist / Software Engineer	EF Education First, Switzerland
	• Lead Scoring – Explainable predictive model for high-potential customers; balanced accuracy 95% (from 70%), deployed on AWS with Kafka streaming ingestion; presented findings and adoption recommendations to sales and marketing leadership. • Churn Prediction – Explainable ML model for booking cancellations; accuracy 99% (from 90%). • Sentiment & Topic Classification – LLM-based multi-class classifier for customer feedback at 85% balanced accuracy, surfacing qualitative insights for product decisions.	
	Python / R / SQL / Kafka / Kubernetes / AWS / TensorFlow	
4/2017 – 2/2018	Data Science Trainee	VF Corporation, Switzerland
	• Developed analytical web apps and performed data analysis for marketing and merchandising stakeholders. • Customer Segmentation – Created a tool for customer clustering, used for marketing decisions. • Basket Analysis – Developed a basket analysis tool that improved store product placements.	
	R / SQL / RShiny	

PERSONAL PROJECTS

5/2026 – Present	Unbullet (unbullet.com)	Co-Founder & Builder
	• AI-powered recruiting product matching job seekers to roles via candidate narrative rather than CV keywords; multi-agent architecture with LLM-driven reasoning over candidate stories. • Owns full stack: agent orchestration, evaluation, prompt iteration, frontend, and deployment.	
	Python / Typescript / Docker / LLM / Multi-Agent	
7/2026 – Present	Maimou (maimou.io)	Founder & Builder
	• Lean, full-stack calorie-tracking app; roadmapping AI-powered features to enhance the user experience. • End-to-end ownership: backend, frontend, and deployment.	
	Python / Typescript / Docker	
1/2024 – Present	Trimate (trim8.com)	Founder & Builder
	• Full-stack AI-powered web app for triathlete training and race planning; implemented mathematical optimization for periodized training plans and computer vision for swim-form analysis. • End-to-end ownership: prototype to production deployment with paying users.	
	Python / Javascript / Docker / Optimization / Computer Vision	

EDUCATION

2/2026 – 6/2027	DAS in Data Science	ETH Zürich
	Coursework: Machine Learning, Large Language Models, Probabilistic AI.	
3/2025 – 1/2026	Postgraduate in Artificial Intelligence	University of Leeds
	Coursework: Deep Learning, NLP, Algorithms.	
9/2015 – 2/2017	MSc in Information Management	Nova University of Lisbon
	Specialization: Business Intelligence and Data Mining.	

TECHNICAL SKILLS

- **Data Science & Analysis:** Statistical Analysis, Experimentation & Evaluation Design, Summary Statistics, Trend Analysis, Explainable ML, Quantitative & Qualitative Insights
- **GenAI & Agentic:** LLMs, RAG, Vector Databases, Multi-Agent Systems, LangGraph, LangChain, ReAct, Hierarchical Delegation, Self-Reflection, Prompt Engineering, Evaluation Pipelines, Tracing & Observability, Multi-Modal (audio + text)
- **ML & Data:** PyTorch, TensorFlow, Scikit-learn, MLflow, NLP, Computer Vision, Optimization, Explainable ML
- **Languages:** Python, TypeScript, JavaScript, R, SQL/NoSQL
- **Cloud & Infra:** Azure, AWS, Kubernetes, Docker, Terraform, KEDA, Spark, Kafka, Flink, MongoDB, CI/CD, Distributed Systems
- **Practices:** Executive & Cross-Functional Stakeholder Communication, Leadership Through Influence, Software Engineering, ML/LLMOps, DevOps, Stakeholder Discovery, Technical Mentoring
- **Spoken Languages:** English (C2), Greek (C2), German (B2)