

# Lukas Scheucher

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## Work Experience

### CTO, Co-founder – Compass Labs, London

2023 - present

- Leading a team of 5 engineers to expand and add features. Personally contributed to Coinbase and LangChain integrations.
- Built a comprehensive API for crypto execution and trading. Added LangChain and MCP tools on top to allow LLMs to interact with it.
- Raised close to 2M USD in VC funding, including a16z and other top-tier investors, and onboarded institutional clients.
- Regularly attend and speak at conferences, meet with industry stakeholders, organize hackathons, and more.
- Participated in an 8-week on-site program by Andreessen Horowitz in London.

### Software Engineer – Google X, Munich

2019 - 2022

- Worked as an Applied AI engineer at Google X (Moonshots), where I owned the AI training pipeline (PyTorch, Docker, Kubernetes).
- Built a wearable device that has been released and recently featured in [Time Magazine](#).
- Conceived and built an internal ML model for monitoring Google's servers. Used to monitor millions of machines in production.
- Received a consistent rating of "Strongly Exceeds Expectations." Promoted after the first year.

### Deep/Machine Learning Engineer – Volkswagen, Munich

2018 - 2019

- Developed a 2D perception model for autonomous driving using Convolutional Neural Networks (PyTorch, CUDA, C++).
- Researched and built the models, orchestrated the training and optimization loop, and created analysis tools.
- Converted the final model to run on an embedded in-car device using quantization, pruning, and TensorRT.
- This project progressed from the research phase through requirements gathering and training to final deployment in the car.

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## Relevant Personal Projects

### WarrenBOTfett

2025 - current

- WarrenBOTfett is an AI-powered value investor driven by autonomous agents. It is inspired by the legendary US investor.
- Runs once a day, reads market data and news related to S&P; 500 stocks.
- Connects to my broker, analyzes current holdings, and makes fully autonomous trading decisions.
- Everything is logged and a detailed, structured report of the decisions is being generated. See [here](#).

### AI-Powered Investment Tracker

2024 - 2025

- This is an AI tool I built for myself. It connects to all asset platforms, such as bank accounts, brokers, or crypto wallets.
- Analyzes all holdings daily and stores detailed results in a database.
- Generates visualization dashboards that deliver insights into performance and provide feedback on past decisions.
- Once a day, an AI-generated PDF report is created by analyzing my holdings, reading the market, and processing news. It highlights opportunities, risks, and relevant information—allowing me to stay on top of my finances in just 5 minutes a day.

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## Education/Research Work

### Visiting Graduate Researcher – Stanford University, California

2016 - 2017

- Implemented gradient computation in a C++ fluid dynamics [code](#) used by the US Army to develop new aircraft.
- My final project/thesis on coupling fluid and solid mechanics codes received the highest possible grade.

### M.Sc. – TUM, Engineering Mechanics (Focus Aerospace), Munich

2015 - 2017

- Worked on an HPC codebase (simulating fluid flow around aircraft), distributed over 100s to 1000s of machines (C++, MPI, OpenMP).
- Researched uncertainty quantification in physical simulations using Bayesian methods and machine learning.
- Contributed to the shape optimization of supersonic aircraft wings through a collaborative C++ HPC codebase.

### B.Sc. – TUM, Engineering Mechanics (Focus Aerospace), Munich

- Held a large number of TA and research positions, ranging from Thermodynamics to Computational Fluid Dynamics

- Ranked top 1% of over 900 students
  - Received 3 scholarships
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### Technical Skills

- **Languages:** Python, C++, Solidity, Go, SQL, JavaScript/TypeScript, Bash
  - **Frontend:** Next.js, React, Electron, CSS, SASS
  - **Backend:** FastAPI, Node.js, SQL, Supabase, REST APIs, DevOps, CI/CD, GitHub Actions
  - **Machine Learning:** Deep Learning, Recurrent Networks, Computer Vision, model training and selection, model compression
  - **Quant & Crypto:** Strategy backtesting, Quant fundamentals, Deep DeFi Knowledge
  - **Blockchain:** Ethereum, Solidity, Smart Contracts, web3.py, ethers.js, eth-abi
  - **LLMs/Agents:** LangChain, PydanticAI, ReAct, OpenAI/Gemini tools, RAG pipelines, Vector DBs (Chroma, FAISS), autonomous agents
  - **Python Internals:** asyncio, type-safety, performance profiling, type-safe APIs
  - **Infrastructure/DevOps:** Docker, Terraform (AWS), Databases, serverless deployment
  - **Developer Tools:** Git, VIM, IntelliJ, Jupyter, Docker Compose, OpenAPI tooling, Spotlight Elements
  - **Libraries:** PyTorch, TensorFlow, Pandas, NumPy, Matplotlib, Plotly, Dash, Streamlit
  - **Systems Design:** Modular agent pipelines, event-driven APIs, high-throughput service architecture, multi-agent orchestration
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### Interests/Hobbies

- Scuba diving (Divemaster), hiking, skiing, forestry
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