

Lukas Scheucher

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Work Experience

CTO, cofounder - Compass Labs, London

2023 - present

- Developed the initial product, a backtesting and analysis tool for crypto traders using Python, Solidity, NextJS, and more. We provide a complete solution, from data sourcing to strategy development and testing to result analysis—our product covers it all.
- Leading a team of 5 engineers to expand and add features. Still averaging over 2,000 GitHub contributions per year.
- Built a comprehensive API for execution and trading in crypto. 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.

Founder in Residence - Entrepreneur First, London

Mar 2022 - May 2022

- I went through the Entrepreneur First accelerator where I explored several ideas, which eventually culminated in Compass Labs.
- Entrepreneur First is a global talent investor that helps individuals find co-founders, develop startup ideas, and build high-growth technology companies from scratch.
- Entrepreneur First has an acceptance rate of about 1%.

Software Engineer - Google, Munich

2019 - 2021

- Started as a Site Reliability Engineer at Google. In my first 6 months, I ideated and built an analytics pipeline to monitor global rollout policy compliance across Google. go/scheucher-rocks.
- I did a bungee placement at Google X (Moonshots), where we built a wearable device that was released and recently featured in [Time Magazine](#).
- 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, then orchestrated the training and optimization loop, along with creating analysis tools.
- Converted the final model to run on an embedded in-car device using quantization, pruning, and TensorRT.
- Attended international conferences like NeurIPS, presented our company and brought valuable learnings back to our team.

Education/Research Work

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 shape optimization of supersonic aircraft wings through a collaborative C++ HPC codebase.
- Finished the bachelor's degree in the top 1%.

Visiting Graduate Researcher - Stanford University, California

2016 - 2017

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

Technical Skills

- **Languages:** Python, C++, Typescript, Solidity, Go, SQL, Bash
- **Frontend:** Next, React, Electron, CSS, SASS
- **Backend/Infra:** FastAPI, Pydantic, Starlette, asyncio, AWS (ECS, API Gateway, Cognito, WAF, SES, CloudWatch), Terraform, GitHub Actions, Datadog, Logfire
- **Infra/Networking:** Docker, VPCs, load balancing, security (SOC2, ISO-27001, GDPR, DORA compliance)
- **Machine Learning:** Computer Vision, Recurrent Networks, Deep Learning, model training and selection, model compression
- **Blockchain:** Bitcoin, Ethereum, Solidity, web3.js, Smart Contracts

- **Developer Tools:** Git, Docker, Google Cloud Platform, VIM, IntelliJ, AI tools for developers
 - **Libraries:** TensorFlow, PyTorch, OpenMP, MPI, CUDA, Pandas, NumPy, Matplotlib, Plotly, Dash, Streamlit, ...
 - **Agents/LLMs:** LangChain, MCP, OpenAI Assistants, Pydantic-AI, structured output, function calling, tool execution
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Interests/Hobbies

- Scuba diving (Dive Master), hiking, skiing, forestry
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