

Lukas Scheucher

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Work Experience

CTO/co-founder - Compass Labs, London

March 2023 - present

- Developed the product zero to one. We are on a SaaS model, selling to larger financial institutions.
- Hired (and now leading) 5 engineers across the stack.
- Raised 2 million from Andreessen Horowitz and other top tier investors.

Freelance Software Engineer, Remote

May 2022 - March 2023

- Worked as a freelance engineer on projects focusing on data-science and backend engineering.
- Thanks to my generalist background, I've been helping early-stage startups building up their MVPs, setting up their backend and CI/CD pipelines, improving their code, etc.
- Worked with Toptal, A.team and other platforms.

Founder in Residence - Entrepreneur First, London

Mar 2022 - May 2022

- Accepted into the 2022 cohort and spent 3 months working with dedicated individuals on blockchain/web3 ideas.
- Entrepreneur First is an international talent investor, which supports individuals in building technology companies.

Software Engineer - Google, Munich

Nov 2019 - Dec 2021

- Using data analysis on production logs to improve reliability across Google. Used tensorflow, Go and Apache flume
- Came up with - and lead - a successful internal project combining data analysis and visualization.
- **Google X** "the moonshot factory": Data analysis on an experimental wearable device. Owned whole Python codebase and training pipeline.

Deep/Machine Learning Engineer - Volkswagen, Munich

Jul 2018 - Oct 2019

- Worked as an applied machine learning engineer, mainly on computer vision for autonomous driving.
 - Real time object detection, Model development, training, selection, compression and testing.
 - PyTorch, Tensorflow, CUDA, C++, ...
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Research Work

Post Graduate Work - TUM, Munich

Jul 2017 - Jun 2018

- Uncertainty quantification in physical simulations using bayesian methods and machine learning.
- Design optimization under uncertainty.
- Collaborative development of a C++ research code (Full CI/CD pipeline).
- Visualization of complex simulation output using Paraview, Plotly, D3.js, ...
- Held several positions as teaching assistant.

Visiting Graduate Researcher - Stanford University, California

Oct 2016 - Jul 2017

- Implemented gradient computation in a C++ fluid dynamics code
 - Application: Parametric shape optimization of flexible wings.
 - Audited Stanford lecture series on machine learning by Andrew Ng.
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Education

Post Graduate Researcher - Munich, Germany

Jul 2017 - Jun 2018

- Uncertainty quantification in physical simulations using bayesian methods and machine learning
- Design optimization. Collaborative development of a C++ HPC codebase.

M.Sc. Mechanical Engineering - TUM, Munich

Oct 2015 - Jun 2017

- Majored in Computational Engineering and High Performance Computing.
- Visiting Researcher at Stanford University
- Overall Grade 1.6. Final theses 1.0.

B.Sc. Mechanical Engineering - TUM, Munich

Oct 2012 - Jun 2015

- Majored in Mechanical Engineering
- Overall Grade 1.4. Final theses 1.0.

Professional Certifications - Online, Multiple

- Total of 16 professional certifications including
 - Blockchain Developer Nanodegree - Udacity
 - 5-part deep learning specialization - Deeplearning.ai
 - Decentralized finance - Duke University
 - Full list on LinkedIn
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Technical Skills

- **Languages:** Python, C++, Solidity, Go, SQL, Javascript, Bash
 - **Frontend:** Next, React, CSS, SASS
 - **Backend:** Postgres, SQL, API development, Databases, DevOps, CI/CD, Terraform
 - **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
 - **Libraries:** Tensorflow, Pytorch, OpenMP, MPI, CUDA, Pandas, NumPy, Matplotlib, Plotly, Dash
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