Lukas Scheucher

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Work Experience

CTO - Compass Labs, London April 2022 - present

- Fully developed the initial product, a backtesting and analyzation tool for trading in crypto. Python, Solitidy, NextJS, Cloud, ...
- Hired and leading a team of 5 engineers to expand and add features. Still averaging over 2000 Github contributions per year.
- Raised close to 2M USD of VC funding, including a16z and other top tier investors. Onboarded institutional clients.

Software Engineer - Google X, Munich Nov 2019 - Dec 2021

- Worked as an Applied AI engineer at GoogleX(Moonshots), where I owned the AI training pipeline. Pytorch, Docker, Kubernetes.
- Ideated and built an internal ML model for monitoring Googles servers. Toool was used to monitor millions of machines in production.
- Conistently rated as "Strongly Exeeceds Expectations"

Deep/Machine Learning Engineer - Volkswagen, Munich Jul 2018 - Oct 2019

- Development of a 2D perception model for autonomous driving. Using Convolutional Neural Networks. Pytorch, CUDA, C++.
- Researched and developed the models, then orchestrated the training and optimization loop. Built analyisis tools.
- Converted the final model to run on the embedded in-car device. Quantization, pruning and TensorRT.

Education/Research Work

M.Sc. - TUM, Engineering Mechanics. Focus Aerospace, Munich Sep 2015 - Jun 2017

- Worked on HPC codebased(simulating fluid flow around aircraft). Distrbuted over 100s to 1000s of machines. C++, MPI, OpenMP
- Research in uncertainty quantification in physical simulations using bayesian methods and machine learning.
- Design optimization. Collaborative development of a C++ HPC codebase.
- Finished my bachelors degree top 1%

Visiting Graduate Researcher - Stanford University, California Oct 2016 - Jul 2017

Implemented gradient computation in a C++ fluid dynamics code. This code is used by the US Army to develop new planes.
Application: Parametric shape optimization of flexible wings.

Professional Certifications - Online, Multiple
Over the years, I have been keeping up with trends and technologies through courses. Among others: Blockchain Developer Nanodegree, Deep learning specialization, Decentralized finance by Duke University,
Full list on LinkedIn

Technical Skills

- **Languages**: Python, C++, Solidity, Go, SQL, JavaScript, Bash
- **Frontend**: Next, React, Electron, CSS, SASS
- **Backend**: Node.js, Databases, SQL, API development, 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, AI tools for developers

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Interests/Hobbies

- Scuba diving(Dive Master), Hiking, Skiing, forestry