LUKAS PETERSSON

YC founder and ML enthusiast

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PROFESSIONAL EXPERIENCE

Vectorview (YC w24)

San Francisco
Dec 2023 - Present

CTO and Co-founder

- Built AI safety evals for Anthropic and other big AI labs
- Raised $2.2M at 15M cap
- Researched agentic capabilities of LLMs

Google

Zurich
May 2023 - Dec 2023

Research Intern

- Researched how to best combine modalities in transformer models
- Authored a thesis paper

Disney Research

Zurich
Feb 2023 - Apr 2023

Robotics Student Researcher

- Part of the small team that made this viral robot
- Developed an RL algorithm for social robotic interaction
- Implemented the algorithm on a physical robot for user studies

Google

Zurich
June 2022 - Sept 2022

Software Engineering Intern

- Automated data analysis by training a Decision Forest model
- Discovered weakness in training data by visualizing it in graphs

CommaAI

San Diego
Mar 2022 - June 2022

Autonomy Engineering Intern

- Reduced CI time by orders of magnitude by parallelization compute
- Discovered latency bottlenecks by building a timestamping tool

European Space Agency

Noordwijk
May 2021 - Sep 2021

Flight Software Systems Intern

- Implemented a semantic validator for a low-level language using modeling tools
- Improved existing technology significantly

Lunicore

Lund
Nov 2019 - Jan 2021

IT Consultant

- Enabled small businesses to digitalize by building full-stack web tools
- Agile approach in dialogue with the customer

Ericsson

Stockholm
Jan 2019 - May 2019

Software Engineering Intern

- Improved internal communication by developing a real-time file-sharing web app
- Developed an improved Android phone app with Kotlin

Digital Edge

Stockholm
Nov 2018 - July 2019

Junior Robotics Software Developer

- Enhanced robot-human interactions by building user-friendly interfaces and implementing facial recognition and speech-to-text libraries

EDUCATION

Lund University

Aug 2019 - May 2024

Engineering Physics (M.Sc + B.Sc)

- GPA: 4.9 (out of 5)

Lund University

Aug 2019 - May 2024

Engineering Mathematics (M.Sc + B.Sc)

- GPA 5.0 (out of 5)

ETH Zurich

Sept 2022 - Sept 2023

Exchange Year

- Machine learning, Robotics

EXTRACURRICULAR

Aris

Zurich
July 2022 - Present

Robotics Software Specialist

- Underwater robot to explore the oceans of Jupiter and Saturn's icy moons
- Improved testability of of system by implementing a ROS simulator

Formula Student

Lund
July 2021 - Aug 2022

Self-Driving Engineer

- Turned Sweden's best Formula Student car autonomous with ML
- Improved state estimation by building an Extended Kalman Filter library

European Space Agency

Andøya
Nov 2020 - Oct 2021

Fly a Rocket!

- Selected as one out of 24 students from all over Europe
- Acted as principal investigator for the sounding rocket launch campaign

Engineers w/o Borders

Lund
June 2020 - Jan 2021

Software/Hardware Engineer

- Designed a low-cost computer room with RaspberryPIs for a school in Tanzania

Skåne Startups

Lund
Nov 2019 - June 2020

Lund Startup Fellowship

- Organized entrepreneurial events for up to hundreds of guests
- Co-founded startup society

PROJECTS & COMPETITIONS

AcademicGPT
2023

Founder
- AI-powered tool for academic writing
- 400 daily users, $1200 MMR

ChattenChatten
2023

Founder
- Personal AI tutor for University students

KritikAI
2023

Founder
- SAAS business for AI-powered code reviews

NCPC
2021

Competitive Programming
- Finished 3rd of all Swedish teams the Nordic ICPC qualifiers

CommaAI Challenge
2021

Computer Vision Project
- Applied CNN and optical flow to achieve a better score than the internal solution

NCPC
2020

Competitive Programming
- Finished 5th in sweden with only a two man team

BookLog etc
2018 - Present

Mobile Development
- Published 3 public apps on Play Store and built others to sell to businesses

BLOG & PUBLICATIONS

Taming the Machine
2023

Book contribution
- I made research for a book on AI Safety

Ye Tools
2022 - Present

ML & Music Blog
- Forcing myself to deeply understand ML by communicating my ideas to others

MBSE
2021

Conference Publication
- Published and presented a paper on Model-Based Systems Engineering Conference