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# LUKAS PETERSSON

YC founder and ML enthusiast

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## PROFESSIONAL EXPERIENCE

### Andon Labs (YC w24)

Stockholm  
Dec 2023 - Present

#### CEO and Co-founder

- Built AI safety evals for Anthropic and other big AI labs
- 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 - May 2023

### Robotics Software Specialist

- Underwater robot to explore the oceans of Jupiter and Saturn's icy moons
- Improved testability of the 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

<b>AcademicGPT</b> 2023	<b>Founder</b> <ul style="list-style-type: none"><li>● AI-powered tool for academic writing</li><li>● 400 daily users, \$1200 MMR</li></ul>
<b>ChattenChatten</b> 2023	<b>Founder</b> <ul style="list-style-type: none"><li>● Personal AI tutor for University students</li></ul>
<b>KritikAI</b> 2023	<b>Founder</b> <ul style="list-style-type: none"><li>● SAAS business for AI-powered code reviews</li></ul>
<b>NCPC</b> 2021	<b>Competitive Programming</b> <ul style="list-style-type: none"><li>● Finished 3rd of all Swedish teams the Nordic ICPC qualifiers</li></ul>
<b>CommaAI Challenge</b> 2021	<b>Computer Vision Project</b> <ul style="list-style-type: none"><li>● Applied CNN and optical flow to achieve a better score than the internal solution</li></ul>
<b>NCPC</b> 2020	<b>Competitive Programming</b> <ul style="list-style-type: none"><li>● Finished 5th in sweden with only a two man team</li></ul>
<b>BookLog etc</b> 2018 - Present	<b>Mobile Development</b> <ul style="list-style-type: none"><li>● Published 3 public apps on Play Store and built others to sell to businesses</li></ul>

## BLOG & PUBLICATIONS

<b>Taming the Machine</b> 2023	<b>Book contribution</b> <ul style="list-style-type: none"><li>● I made research for a book on AI Safety</li></ul>
<b>Ye Tools</b> 2022 - Present	<b>ML &amp; Music Blog</b> <ul style="list-style-type: none"><li>● Forcing myself to deeply understand ML by communicating my ideas to others</li></ul>
<b>MBSE</b> 2021	<b>Conference Publication</b> <ul style="list-style-type: none"><li>● Published and presented a paper on Model-Based Systems Engineering Conference</li></ul>