

Teo Bergkvist

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🌐 Portfolio website

🌐 Teo Bergkvist



Education

- 2021 – 2026* ♦ **M.Sc Engineering Mathematics, Lund University**
Specialization: Machine Intelligence and Image Analysis. *Expected Graduation.
- 2022 – 2022 ♦ **Drone Technology Course, Lund University**
A course in drone flying and drone technology. (FLYF20).
- 2017 – 2020 ♦ **High School Degree, Katedralskolan Lund**
Science and mathematics specialization.

Employment History

- June 2024 – Present ♦ **Robotics Engineer, LEVTEK**
Working with autonomous features, synthetic training data generation, BLDC motor control code and android development.
- Dec 2023 – Aug 2024 ♦ **Driverless Software Developer, Lund Formula Student**
Developed a LiDAR-based system using ROS2. I was responsible for implementing perception algorithms to accurately identify cones within point cloud data.
- Jun 2023 – Aug 2023 ♦ **Data Science Intern, Volvo Cars**
At the Analytics & AI department I worked with LLMs. I was also involved in a project where I developed code for IR cameras and worked with pose estimation and segmentation models.
- Jun 2022 – Aug 2022 ♦ **Engineering Intern, Volvo Cars**
I conducted a study, developed software and analyzed data. Gained experience in computer vision and point cloud data.
- Mar 2021 – Aug 2021 ♦ **Base Analysis Engineer, Volvo Cars**
I was contracted to conduct a study where 3D data was collected and analyzed at Volvo Cars Safety Centre.
- Oct 2020 – Feb 2021 ♦ **Engineering Intern, Volvo Cars**
At Safety Centre I used Python to manage data in a safety related study. I developed an annotation software used by 20 employees.
- Aug 2020 – Oct 2020 ♦ **Software Developer, Castle**
I worked as a software developer in the Data Science team. Primary task was to develop bots for web activity, enabling the team to collect data on bot behavior.
- Jun 2019 – Aug 2019 ♦ **Mechanic, Ågrens cykel**
I worked as a bicycle mechanic and salesman.

Skills

- Languages
 - ◇ Swedish - Native,
 - ◇ English - Fluent
- Coding
 - ◇ Python, MATLAB, Java, C++, Kotlin, Lisp
- Hardware
 - ◇ 3D Printing, Soldering, Electronics debugging
- Misc.
 - ◇ Linux, Mathematical Modelling, Algorithms, Point Clouds, \LaTeX

Miscellaneous

Non-Profit

- 2024 – Present
 - ◇ **Student Council Member, Royal Swedish Academy of Engineering Sciences**
I represent the students at Lund University on national issues related to technology, academia, and societal matters. Currently leading an internal project focused on deep tech.
- 2023 - Present
 - ◇ **Founder, pynanovna**
Founded and developed a Python library to interface with a NanoVNA (a compact Vector Network Analyzer), enhancing accessibility and usability for precise signal analysis and diagnostics.
- May 2019 - Aug 2020
 - ◇ **Head of events and Board Member, Katedralskolans Fristående Elevkår**
One of the biggest high school student unions in Sweden, with 1100 members.

Awards and Achievements

- 2023 – Present
 - ◇ **IEEE Student Design Contest, Winner**
I was the team leader of our project: Polarisation and Impedance Controlled Car (PICC). Along with three undergraduates and one PhD student we ended up winning first place at the IEEE AP-S URSI conference in Florence.
- 2019
 - ◇ **Award for excellent study results**, Katedralskolan Lund.
From Sture Ljungdahls premiefond.

Certification

- ◇ **Swedish Car Drivers Licence class B**
- ◇ **Forklift licence class A and B**

References

Available upon request.