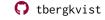
Teo Bergkvist









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

♦ English - Fluent

Coding \diamond Python, MATLAB, Java, C++, Kotlin, Lisp

Misc. \diamond Linux, Mathematical Modelling, Algorithms, Point Clouds, Lagrange Misc.

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.

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.

Awards and Achievements

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.

Certification

- ♦ Swedish Car Drivers Licence class B
- ♦ Forklift licence class A and B

References

Available upon request.