

Melker Widén

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github.com/memagu

Me

Self-taught programmer with a strong passion for algorithms, physics, and mathematics. Extensive experience in Python and proficiency in languages such as Scala, Rust, C/C++, and C#. Experienced in algorithms, data structures (LeetCode and Kattis), web applications, graphics, and physics simulators, and gained cybersecurity experience through Capture The Flag (CTF) challenges. Recently worked as a 1st Line Support Agent at Onitio Sverige AB, honing problem-solving and customer service skills under pressure. Eager to leverage my skills in a software engineering role, which has long been my passion.

Education

Lunds Tekniska Högskola (LTH), Lund University, Civilingenjör (Master of Science in Engineering) in Computer Engineering in Computer Engineering Aug 2024 – May 2029

- Currently pursuing an integrated Bachelor's and Master's program in Computer Engineering, leading to a Civilingenjör (Master of Science in Engineering) degree

Anna Whitlocks gymnasium (Anna Whitlock's high school), High School Aug 2021 – May 2023
Diploma in Natural Sciences - Life Science profile

- Grades: 21.56/22.5 merit points.
- Nominated participant of the Molecular Frontiers symposium: A Nano Focus on Quantum Material, November 2022.

Engelbrektsskolan, Final Certificate from Primary School in Specialized Education Aug 2017 – May 2020
in Mathematics (Grades 7–9)

- Grades: 315/340 merit points.
- Top 30 out of 150 nationwide applicants admitted.
- Studied high school math courses ma1c and ma2c in ninth grade.

Experience

1st Line Support Agent, Onitio Sverige AB – Stockholm, Sweden Jan 2024 – Aug 2024

- Provided technical support for retail and restaurant clients using systems like OPEN POS, Sitoo, Extenda Retail, and Loomis, troubleshooting issues in high-pressure situations via phone and remote tools such as TeamViewer and Kaseya.
- Demonstrated clear and efficient communication, resolving complex technical issues while improving customer satisfaction and self-sufficiency.
- Collaborated closely with the team to tackle complex issues, while also independently managing phone support during on-call shifts, making critical decisions to ensure smooth operations and maintain service quality.
- Developed tools and scripts that reduced manual tasks and improved service efficiency.

Learning mentor / Study Coach, Studybuddy AB – Stockholm, Sweden Oct 2022 – Aug 2023

- Delivered personalized on-site tutoring and homework support to middle and high school students, specializing in natural sciences (math, physics, chemistry, biology) and Python programming.
- Adapted teaching techniques to individual student needs, fostering problem-solving abilities and boosting confidence, resulting in improved grades.

Outdoor Care/Cleaning, Svevia AB – Stockholm, Sweden May 2021 – May 2021

- Maintained cleanliness and upkeep of public spaces on Kungsholmen during a 3-week holiday position for the City of Stockholm.

CAD-designer Internship, Widén Innovation AB – Eskilstuna, Sweden Apr 2019 – Apr 2019

- Designed and prototyped key and lock cylinder systems in SOLIDWORKS during a 2-week internship, gaining

hands-on experience in mechanical design and fabrication.

Projects

njord

github.com/memagu/njord

- Developed a native app to automate on-call support call logging and work time registration, significantly reducing effort and time for Onitio colleagues.
- Tools Used: Python, SQLite, PySide6
- Techniques Used: Hexagonal Architecture

Technologies

Languages: Python, Scala, Rust, C, C++, C#, HTML, CSS, Prolog, SQL

Development Tools & Technologies: Docker, Git, GitHub

Languages

Swedish: Native language (fluent)

English: Fluent

German: Basic level