

# Melker Widén

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[github.com/memagu](https://github.com/memagu)

## Me

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Self-taught developer with a strong passion for computer science, physics, and mathematics. Highly proficient in Python and Scala, with experience in languages such as Rust, C/C++, and C#. Knowledgeable in data structures & algorithms (LeetCode and Kattis), networking, graphics, physics simulation, and cybersecurity (Capture The Flag challenges), among other areas. Recently worked as a First Line Support Agent at Onitio Sverige AB, honing problem-solving and customer service skills under pressure. Eager to leverage a diverse skillset in a software engineering role, fueled by a long-standing passion for the field.

## Education

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**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)

**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, Molecular Frontiers symposium: A Nano Focus on Quantum Material, 2022.
- Awarded a prestigious stipend, recognizing the top 3 of over 700 graduates for exceptional analytical abilities, teamwork, and other key strengths.

## Experience

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

- Demonstrated clear and efficient communication under time-sensitive and high-pressure environments, 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, reducing manual tasks and improving service efficiency.

**Mentor / Study Coach**, Studybuddy AB – Stockholm, Sweden Oct 2022 – Aug 2023

- Delivered personalized on-site tutoring in natural sciences and Python, boosting students' confidence,
- problem-solving skills, and grades.

## Projects

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**njord** [github.com/memagu/njord](https://github.com/memagu/njord)

- Developed a native app to assist 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

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

**Development Tools & Technologies:** Docker, Git, GitHub

## Languages

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**Swedish:** Native

**English:** Fluent