

Tobias Ljung

Junior Software Engineer

Stockholm, Sweden

+46 76 780 7203

ljutobias@gmail.com

gitlab.com/Saiboot

linkedin.com/in/ljutobias



Summary

I am a junior software engineer with a focus on low-level systems, networking and performance critical software. I enjoy reasoning about system design and my main interests are memory management and concurrent systems.

Swedish: Native

English: Fluent/Advanced

Technical Skills

Languages:

Primary: C

Working knowledge: C++ & C#

Fundamentals: Rust & Assembly

Tools:

VSCode, Git, and more.

Projects

Personal portfolio | gitlab.com/Saiboot/portfolio

Read about my projects and accomplishments in my portfolio available on my gitlab.

B.Sc. Thesis: Safe Socket Lifecycles in Completion-Based Asynchronous I/O Systems | DiVA

- Investigation: How to design and manage safe socket life-cycles
- Focus: Preventing CWEs such as use-after-free, races, and memory leaks
- Contribution: A life-cycle model proposed to address the issues

Education

B.Sc. in Computing Science

Umeå University

Expected: 2026

Relevant coursework:

- Computational Logic
- Computer Engineering
- Low-level Systems Programming
- Operating Systems
- Computer Networks

Interests

Systems programming, networking, performance optimization, operating system internals. Outside of technology, I engage in gym-based hypertrophy training and nutrition management, reflecting a structured and goal-oriented approach to personal development.