

Linus Östlund

... if I was a sculptor, but then again, no...

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Other [LinkedIn](#), [GitHub](#), [Web page](#)

Work Experience

Internship

Summer 2023

VitalSigns Innovation AB

As an intern at a MedTech startup specializing in CPR products, my role was fluid due to the company's small size and flat hierarchy. My core focus was the potential of Large Language Models (LLMs) and chatbots to enhance the efficiency and capabilities of medical professionals. I implemented a web page with a chatbot in Python's Flask, and a chatbot communicating over SMS. Alongside this, I assisted with API design, facilitating integration between different software components. I also did usability testing with Android Studio.

Teaching Assistant

Summer 2023

KTH Royal Institute of Technology

Working with course development, and responsible for implementing a CI-solution with Jenkins and Github Webhooks to automatically correct students code submissions and provide feedback on code quality. We tried to automate as much as possible, using Docker Compose and custom Dockerfiles to set up the developing environment (e.g, exposing multiple services with ngrok simultaneously).

Research Assistant

2022–2023

The Royal Institute of Technology

Research assistant at the institution of theoretical computer science. I am currently working on a bot project to automate feedback to beginning programmers' code quality over Github. I am also involved in [CHAINS](#), a research project for hardening the software supply chain. We are investigating state-of-the-art tools to analyze open source project's dependencies, CVE's, reproducibility, and, producing software bill of matters.

Teaching Assistant

2020–2022

The Royal Institute of Technology

Teaching assistant at the CS1/2 course at KTH, Computer Science. Subjects include algorithms, data structures, and parallel programming for beginners in Java and Golang. Over the summer of 2022, I was the project manager of a small team responsible for rewriting nine of the courses' weekly lab assignments.

Location Manager / Location Scout / Second Assistant Director

2013–2022

Various film production companies

Location Manager on movie sets, most recently the feature film [Stammisar](#). Organizing, budgeting, and managing logistics for productions, both with budgets greater than 50 million SEK and smaller-scale operations. Although my profile is poorly updated, you can find me on [IMDB](#).

Education

Master's Degree in Data Analysis (GPA: N/A)

(ongoing)

The Royal Institute of Technology

Bachelor's Degree in CS (GPA: 4.1)

2019–2022

The Royal Institute of Technology

Publications

It's Never Too Early to Think About Code Quality

2023

SIGCSE 2023

DOI: 10.1145/3545945.3569829

My bachelor thesis got accepted to the Scientific Paper track of The Technical Symposium on Computer Science Education (SIGCSE), which is a part of ACM. The work analyze code quality in a CS1/2 course over four years and investigate if Teachers Assistants might affect students code quality. You can find it at [Google Scholar](#).

Certifications

DP-900 Azure Data Fundamentals

Technical skills

PROFFESIONAL EXPERIENCE:

Python Java Git SQL Jenkins (CI) Docker Maven Ngrok Twilio

KNOWLEDGEABLE:

C C# Haskell Github Actions Spark LangChain FlowiseAI MongoDB MLFlow
PyTorch Golang Microsoft Azure Google Cloud Platform

OTHER:

\LaTeX Markdown Scrum Kanban

Languages

Swedish Native
English Fluent