



Tim Olsson

Software Engineer

Skills

- ReactJS and NextJS
- JavaScript and TypeScript
- Node.js and Express.js
- C++
- Python
- Git
- Machine Learning
- SQL
- Matlab
- Java
- Image Processing

Languages

- Swedish
- English

Awards

- **Stig Wadström Scholarship**
Awarded for my commitment to enriching student life through active participation in student associations, ranging from planning the reception of new students to arranging our programs career fair.

Contact

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 olssontim.se

About me

I'm a software engineer based in Linköping, Sweden, with a background in media technology and engineering from Linköping University. I enjoy combining technical skills with creativity, whether it's working on personal projects or collaborating with others. In addition to my role as a software engineer consultant at SAAB, I like to explore new technologies and work on personal projects in my spare time.

Education

Master of Science in Media Technology and Engineering

Linköping University, 2019–2024

Major in Computer Science and Engineering

Selected Projects:

- Bachelor project: An application for monitoring household energy consumption. Created with React, Javascript and Firestore.
- Monte Carlo Ray Tracer developed in C++ with the integration of the OpenGL.
- Korren, a fullstack student housing review website. Created with NextJS, Prisma, NextAuth and MongoDB.

Read more about my projects at olssontim.se

Work

Software Engineer

Talangjägarna AB (Consultant at SAAB), Sep 2024 – present

As part of a six person Scrum team, I maintain and develop features for the radar application. The role include development in C++ and Python, as well as continuous testing of the code. By consistently having my code reviewed and reviewing others' code, I am becoming more aware of the importance of writing high-quality code from the start. Along with strengthening my skills in C++, I am also building experience with Git and agile methods.

Skills: C++ Python Code Review Git

Graduate Research Assistant

Scientific Computing and Imaging Institute, Jan 2024 – Jul 2024

As part of a team of two, I worked to the design and develop a new cloud-based user interface for OpenSpace, a software used for visualizing the cosmos and enabling interactive astro-visualization. The project involved designing and implementing a web-based touch interface for real-time interactions, primarily using Typescript and React, with some C++ development. My role spanned the entire process, from initial concept to final implementation, providing valuable experience in both the design and technical aspects of product development.

Skills: React Typescript Figma C++ Git

Freelance Photographer and videographer

TO Photo&Video, 2018 – Present

In my role as a freelance photographer and videographer, I have worked on small-scale photo shoots and video production for social media, including post-production editing. This work has sharpened my ability to plan effectively and emphasized the importance of self-discipline in delivering consistent quality results.

Skills: Photography Editing Communication Planning

Interests

- Software Development
- Visualization
- Image Processing

EXPERIENCES

Technical Lead

Linköping University, May 2021 – May 2022
Career Fair Organisation

Responsible for planning and implementing the technical solutions for a career fair as part of a project team. This role involved handling technical requirements, ensuring smooth execution, and coordinating with other team members. It provided me with valuable experience in task management and teamwork within a project setting.

Sponsorship Coordinator

Linköping University, Apr 2021 – Apr 2022
Admissions Committee

As a Sponsorship Coordinator for the reception committee at Campus Norrköping, I worked with various groups, attended meetings, and ensured clear communication between all teams. I helped to build up a structured workflow to make sure that important information reached the right people, made effective collaboration among multiple groups possible. This role provided hands-on experience in managing group coordination and communication.

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