



Tim Olsson

Engineering student

Contact

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[Tim Olsson](#)

SKILLS

- ReactJS and NextJS
- JavaScript and TypeScript
- C++
- Python
- Image processing
- Git

Languages

- Swedish
- English

Interests

- Software development
- Image processing
- Visualization
- Computer Vision

About me

As a 5th-year Master's student in Media Technology, I like to embrace new opportunities and face new challenges. For me Media Technology offers the perfect mix of technical education and creative projects. Currently based in Salt Lake City, Utah. Where I'm working on my Master's thesis, which involves creating a new cloud-based user interface for the open source astro-visualization software, OpenSpace.

Education

Linköping University

August, 2019 - present

Master of Science in Media Technology and Engineering

Master Science in Media Technology and Engineering with a Major in Computer Science and Engineering, 5th year.

Selected Projects:

- Bachelor project: An application for monitoring household energy consumption. Created with ReactJS 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

Scientific Computing and Imaging Institute University of Utah

February, 2024 - Present

Graduate Research Assistant

Master's thesis at the University of Utah's Scientific Computing and Imaging Institute, focusing on a new cloud-based UI for OpenSpace, a software visualizing the cosmos and supporting interactive astro-visualization. My work involves adding a touch-based interface for real-time interactions in OpenSpace.

TO Photo&Video

Self employed

August, 2018 - Present

Photographer and videographer

As a freelance photographer and videographer I have worked with smaller photo shoots and with video production for social media. This also includes editing of both photo and video. From this I have become more aware of the importance of good planning and self discipline.

EXPERIENCE

Student Career Fair

Linköping University

May, 2021 - May, 2022

Responsible for technical solutions

As a member of a project team responsible for organizing a career fair for my education program. I was in charge of planning the technical parts for the fair. A valuable experience where I gained insight about being a part of a team and managing specific tasks for the fair.

Admissions Committee

Linköping University

April, 2021 - April, 2022

Sponsorship Coordinator

During my time as a member of the committee responsible for the reception of new students at campus Norrköping. The work was split between different groups that all worked together. This meant taking part in many meetings and to ensure that information reached the right people. With many groups and members it was important to form a clear structure so that everyone was heard. A valuable experience where I got to see and practice how working with many different groups could be.