

PETER HEILBO RATGEN

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ABOUT - PERSONAL

Software Engineer, based in Odense, 26 years old. I am driven, and love to dive deep into projects. I am passionate about learning new usable skills, and increasing productivity using new tools. I am especially interested in full-stack development and mobile software development, however I am also experienced within the domain of software development related to medical robotics.



JOBS

SDU

Engineer

Aug. 2024 – Now

Engineer at SDU Medical Robotics. My work involves full stack development of a Next.js application, in addition to work with data collection applications in C++/Qt, involving integration with hardware sensors. I have also touched base with machine learning throughout my work. Maintenance of an existing C#/.NET application.

SDU

Student Programmer

Sep. 2023 – Jul. 2024

Student Programmer at SDU Medical Robotics. My work involved UI design, as well as designing and implementing a full-stack application in React and FastAPI for deploying an AI model.

SDU

Instructor and project supervisor

Feb. 2022 – Jun. 2024

Instructor for the course Component-Based Software Engineering in Spring 2022, 2023, and 2024.

Instructor for the course Software Maintenance in Autumn 2022 and 2023.

Supervisor for two project groups in Intelligent Software Systems in Spring 2023.

Instructor for the course Mobile Software Development in Autumn 2023.

Supervisor for one project group in Interactive Distributed Software Systems in Autumn 2023.

SDU

Student Programmer

Nov. 2022 – Aug. 2023

Student Programmer on the SMARTGREEN project. Responsible for maintaining and adding features to an existing Java application.

SDU

Student Assistant

Feb. 2022 – Oct. 2022

Programming related tasks in DevOps and AWS as well as other programming tasks

ACQUIRED SKILLS

Programming languages

- Python
- TypeScript/JavaScript
- C++
- C#
- Java
- SQL
- Dart

Frameworks

- Qt
- FastAPI
- Node.js, Express
- React
- React Native
- Next.js
- Flutter

Tools

- Neovim
- HTML/CSS
- Docker
- LaTeX
- Git

Languages

- Danish, primary
- English, written and spoken

EDUCATION

University of Southern Denmark

Software Engineering, master

Sep. 2022 – Jun. 2024

University of Southern Denmark

Software Engineering, bachelor

Sep. 2020 – Jun. 2022

Completed with a 10 in the bachelor's thesis.

University of Southern Denmark

Computer Science

Sep. 2017 – Mar. 2020

Completed 130 ECTS towards a Computer Science bachelors degree.

Odense Tekniske Gymnasium

Higher Technical Examination (HTX)

Aug. 2014 – Jun. 2017

- Specialized study area: Communication/IT A, Design B
- Technical science: Technical Sciences A, Electricity