

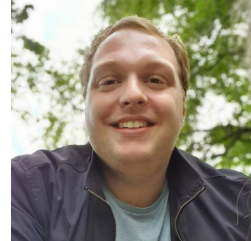
# PETER HEILBO RATGEN

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## ABOUT - PERSONAL

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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

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### 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

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### 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

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### 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