

Trine Herrmann

0493 230 584 | herrmanntrine@gmail.com | linkedin.com/in/trine-herrmann | trine.github.io

EDUCATION

Master of Computer Science

Jul. 2021 – Jun. 2023

University of Wollongong

Wollongong, NSW

- **WAM:** 91.9%
- **Relevant coursework:** *Programming and Data Structures, Web Server Programming, Database Management Systems, Web Development, System Analysis and Project Management, Machine Learning Algorithms and Applications*

Bachelor of Communication and IT

Sep. 2017 – Jun. 2020

University of Copenhagen

Copenhagen, Denmark

- Completed an exchange semester in Wollongong, NSW
- Acted as a student mentor, providing guidance and support to international students

EXPERIENCE

Tutor in Web Development

Aug. 2023 – Present

University of Wollongong

Wollongong, NSW

- Assist students in coding exercises focusing on web technologies like HTML, CSS, JavaScript, and XML
- Provide constructive feedback on code structure, design principles, and adherence to best practices

Tutor in Python Programming

Aug. 2020 – Dec. 2020

University of Copenhagen

Copenhagen, Denmark

- Conducted engaging and interactive tutorials in Python and natural language processing
- Developed comprehensive coding exercises that challenged students' problem-solving and coding abilities

Student Assistant

Dec. 2018 – Mar. 2020

Nordiske Medier

Copenhagen, Denmark

- Performed WordPress web development tasks for B2B website
- Engaged with individual and business customers to address inquiries and provide support

PROJECTS

Calanus Detector & Length Estimator | *Python, Flask, JavaScript, YOLOv5, OpenCV* | [View on GitHub](#)

- Developed a full-stack Flask web application to automate marine research processes
- Trained and deployed a custom YOLOv5 model for plankton detection, achieving a 95.8% precision and 92% recall
- Implemented length estimation functionality using OpenCV, delivering accuracy rates surpassing 90%
- Collaborated closely with scientists to ensure the tool's practicality and efficacy for plankton data analysis

Marking Assistant | *Python, Django, TypeScript, SQLite* | [View on GitHub](#)

- Developed a full-stack web application with Django to streamline assignment marking and feedback processes
- Automated grading and feedback generation for efficient academic assessment
- Designed an interactive web interface with TypeScript, HTML, and CSS for a seamless user experience
- Employed SQLite as a lightweight, embedded database management system for efficient data storage and retrieval

VOLUNTEERING

Programming Teacher

Coding Pirates Denmark

- Assisted in the delivery of after-school IT club nights for children to foster a passion for programming
- Educated and guided children in creating interactive projects using Scratch, developing their problem-solving and computational thinking skills

TECHNICAL SKILLS

Languages: Python, Java, PHP, SQL, JavaScript, TypeScript, HTML, CSS, R

Frameworks and Libraries: Django, Flask, OpenCV, Pandas, scikit-learn, TensorFlow