PHILIP IVERS OHLSSON

(+46) · 739 · 25017 ⋄ ivers@chalmers.se ⋄ LinkedIn link ⋄ Online page

EDUCATION

Chalmers University of Technology Aug 2022 - Jun 2024
M.S, Data science and AI *Gothenburg, Sweden*

National University of Singapore Jan 2023 – July 2023
Study abroad coursework in Mathematics, Data science and Neuroscience *Singapore*

Chalmers University of Technology Aug 2019 - Jun 2022
B.S, Computer science and engineering *Gothenburg, Sweden*

WORK EXPERIENCE

Fraunhofer CMA July 2022 – Dec 2022
Software Engineering Intern *Washington DC, USA*

- AI system project for the automotive industry laser welding and cutting
- Experience in the full process of gathering data and exploring different AI solutions, AWS EC2
- Responsible for exploring and doing research for different unique solutions regarding computer vision, CLIP, U-net, Stable diffusion etc.
- Built a software platform for a multichannel system, real-time display and data analysis using Qt-designer

B.S. Thesis: Predicting and Visualizing Patient Load Jan 2022 – May 2022
Computer Science and Engineering *Gothenburg, Sweden*

- Developed a machine learning model for efficient ER resource allocation by predicting patient load
- Collaborated with interdisciplinary teams, integrating MPBI, Akka Stream, and Google Cloud Pub/Sub
- Designed visualization tools to effectively communicate ER patient load trends to healthcare professionals
- Presented research findings to faculty and industry partners, fostering potential collaborations

Temperature Sensitive Solutions (summer/part-time) 2018 – 2021
Validation Engineer and other *Stockholm, Sweden*

- Created small solution-oriented applications with VBA and Python
- Responsible for creating and executing validation scripts, following the requirements standards such as PQT
- Experience working abroad in Dubai, Denmark and Brazil

Project Partnership with Ericsson Sep 2021 – Dec 2021
ML Research project *Gothenburg, Stockholm*

- Investigated the use of Machine Learning for Verro detection on bees
- Developed a ML model to detect Verro on bees using a Raspberry Pi
- Produced a comprehensive report on the project

Karolinska Institute of Neurodevelopment June 2016 – Aug 2018
Research Assistant *Stockholm, Sweden*

- Compiled and analyzed qualitative data for three distinct projects, leading to a comprehensive understanding of neurodevelopmental research
- Managed and maintained IT resources, providing technical assistance to ensure efficient project execution
- Successfully extended research involvement across three projects, demonstrating adaptability and commitment to advancing scientific knowledge

PROJECTS

Goods Received, Temperature Sensitive Solution Dec 2022

- Developed a website using React, Django, and MySQL for managing goods arriving to office location
- Implemented user registration, product registration, and facility arrival functionalities
- Deployed the application using Docker containers and Azure, ensuring streamlined deployment and scalability

RankSverige CEO Ranking Dec 2021

- Created a dynamic website, ranking 85,786 CEOs in Sweden using the DuPont model across multiple years
- Gained hands-on experience in web development and hosting using Django, HTML, AWS, and CSS
- Check out the project at http://ranksverige.se/, showcasing adaptability and determination through learning from mistakes

Trafikverket Web Scraping and Notification System June 2021

- Developed a software solution to monitor and notify users of available driving test slots via email
- Addressed a real-life problem caused by high demand and cancellations close to examination dates
- Delivered a valuable tool that was appreciated and used by others, demonstrating practical problem-solving skills

AWARDS

Nova Student list 2023 - Nova is the merit-based access network where the top 3% of talent connect with each other, develop and accelerate their careers. The Nova 111 Student list brings together the highest potential students born in 1996 or later to accelerate their development and maximize their potential.

Finalist Ground Zero 2023 - A Startathon organised by NUS Entrepreneurship society in collaboration with SG Innovate, HSBC and Mapletree

Top 3 Walking on Thin Clouds 2023 - Hackathon Organised by AI Sweden and RISE. Challenge was to use (simulated and/or real) data to train models that can estimate COT, and can detect whether an image is occluded by clouds.