Soeren H. Mulvad

Curriculum Vitae
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EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE (NUS)
MSc in Computer Science
Aug 2020 - Dec 2021
Specialisation in Artificial Intelligence
CAP: 4.8 / 5

UNIVERSITY OF COPENHAGEN
BSc in Computer Science
Sep 2017 - Jun 2020
Specialisation in Data Science
GPA: 11.3 / 12
Exchange Semester at NUS (4.7 / 5)
Aug 2019 - Dec 2019

COURSEWORK

Databases
Natural Language Processing
3D Computer Vision
Big Data Systems
Neural Networks and Deep Learning
Reinforcement Learning
Machine Learning
Bachelor Project
Probability
Math Analysis and Statistics
Uncertainty Modelling
Linear Algebra
Algorithms and Data Structures
Randomized Algorithms
Computer Systems
Software Development
Interaction Design
Principles of Economics

SKILLS

LANGUAGES
Experienced
Python • C++ • C# • F# • Bash • JavaScript • PostgreSQL/MySQL

Some experience
Scala • Java • C • Haskell • PHP

FRAMEWORKS/LIBRARIES
PyTorch • TensorFlow • Matplotlib • Numpy • Scikit-Learn • Hadoop • Spark • Django • React

GENERAL SOFTWARE
Git/GitHub • Azure • AWS • LaTeX • Photoshop

EXPERIENCE

NATIONAL UNIVERSITY OF SINGAPORE | Assistant Lecturer
Dec 2020 – Current | Singapore
- Conducting classroom teaching of AI to NUS staff.
- Responsible for conduction of teaching sessions and grading of projects/presentations of the AI Competency Course.

BYTEDANCE | Software Engineer Intern
May 2021 – Jul 2021 | Singapore
- Worked on Cloud Native ClickHouse, a highly distributed and scalable database system
- Automated configuration for easy onboarding

NATIONAL UNIVERSITY OF SINGAPORE | Teaching Assistant
Aug 2020 – May 2021 | Singapore
- Conducting tutorials, marking of course assignments and administrative tasks.
- TA'ed in *BT5110* and *CS5421* (database-related modules).

IT MINDS | Software Developer
May 2019 - Jun 2020 | Copenhagen
- Carrying out consultancy work on software development projects, writing code that solves business problems.
- Projects include set up of data pipeline for ID card recognition task.
- Technologies used include TensorFlow, JavaScript/React and PostgreSQL.

UNIVERSITY OF COPENHAGEN | Teaching Assistant
Sep 2018 – Jun 2020 | Copenhagen
- Carrying out tasks that supplement teaching at professor level.
- TA'ed in the modules *Data Science* and *Programming and Problem Solving*.

FORSVARET | Compulsory Military Service
Aug 2016 – Dec 2016 | Aalborg
- Leadership experience as chairman of barrack room. Final grade: A2.

EXTRACURRICULAR ACTIVITIES

SCIENCERÅDET | Chairman of Study Environment
Dec 2017 – Dec 2018
- Represented 9,500 full time BSc and MSc degree students and 1,150 PhD students at the University of Copenhagen in the Science Faculty.
- Gave talks and speeches for professors and fellow students.

LIBERAL ALLIANCES UNGDOM | Director of Campaigns
Feb 2017 – Mar 2018
- Main person responsible for outward communication. Designed material that was printed in 40k copies and distributed by volunteers nationwide.
- Lead and educated the members of the campaign committee.

AWARDS

| 2020 | Chosen as 1 of 20 people among 700+ applicants | First Ascent International |