

MIKA SENGHAAS

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EDUCATION

IT UNIVERSITY OF COPENHAGEN

BSc. Data Science, GPA: 11.4/12

2020-2023

Copenhagen, Denmark

GYMNASIUM RISSEN

Upper Secondary Degree (Abitur), GPA: 1.0 (Top of Class)

2011-2019

Hamburg, Germany

SKILLS

Programming Languages Python, R, Java, C, F#, Typescript

Data Science Statistical Learning, Machine Intelligence, Network Analysis, Data Visualisation

Computer Science Algorithms, Data Structures, Operating Systems, Software Design, Web Development, OOP, Functional Programming

Technologies Git, Numpy, Pytorch, Sci-Kit Learn, Pandas, Matplotlib, Tableau, React (Native), Next.js, Astro, Flask, PostgreSQL, Heroku, Netlify, Vercel

PROFESSIONAL EXPERIENCE

IT UNIVERSITY OF COPENHAGEN

2021 – Present

Teaching Assistant

Copenhagen, Denmark

Courses: Introduction to Data Science and Programming (Fall 2021), Applied Statistics (Spring 2022/2023), Algorithms and Data Structures (Spring 2022), Linear Algebra and Optimisation (Fall 2022), Machine Learning (Fall 2022), Data Visualisation (Spring 2023), StudyLab (Spring 2022/2023, Fall 2022)

HELPSOME INC.

2022

Student Data Scientist

Copenhagen, Denmark

Handling all data science related tasks in the company. These range from statistical analysis and modelling of psychometric data in end-to-end ML pipelines using PyTorch to creating dashboards and developing the recommendation engine of the app.

FC ST. PAULI

2014 – 2020

Professional Youth Football Player

Hamburg, Germany

For over six years, I aspired to pursue a professional football career at FC St. Pauli. My journey in competitive sports has shaped me, instilling in me invaluable traits such as tenacity, teamwork, and an drive to succeed.

VOLUNTARY WORK

AITU

2022 – Present

Founder and Board Member

Copenhagen, Denmark

Founded AITU, a student organisation at the IT University of Copenhagen dedicated to staying up-to-date with the latest developments in artificial intelligence. Read more on our Website or LinkedIn.

ITU COFFEE TALKS

2022 – Present

Organiser

Copenhagen, Denmark

Main organiser of ITU Coffee Talks, an initiative to bring faculty members and students at ITU together for engaging, research-focused discussions. Read more on the Website.

IT UNIVERSITY OF COPENHAGEN

2021 – Present

Student Ambassador

Copenhagen, Denmark

CAFÉ ANALOG

2021 – Present

Barista

Copenhagen, Denmark

PROJECTS

BACHELOR THESIS | PyTorch, Huggingface, Mobile App Development, Distributed Training

2023

- Bachelor Thesis: "Training and Deploying Computer Vision Models for Indoor Localisation on the Edge"
- Goal: Building an end-to-end computer vision pipeline for indoor localisation based on a continuous stream of images.
- Tasks: Collection and annotating large video corpora, pre-processing of videos, training and evaluating various machine learning models on distributed clusters, deploying a MVP mobile application to qualitatively assess performance

NAMEGEN | PyTorch, ReactJS, Flask

2022

- Full-stack summer project. Designed and trained a custom recurrent neural net for name generation conditioned on gender and geographical features. Deployed as full-stack web application. Read more here.