



Rasmus Arpe Fogh Egebæk

<https://arpe.me> - rasmus.arpe@gmail.com - +45 30 48 59 57 - <https://github.com/Rasmusafi>

29-year old passionate programmer currently looking for new opportunities as a (Senior) Machine Learning Engineer or Data Scientist. I thrive at solving complex problems with a vast amount of mathematics and programming involved. Read more about me at <https://arpe.me>.

PROFESSIONAL EXPERIENCE

Alvenir

Dec 2021–Jul 2022

Chief Technical Officer

- Architect and developer of a cloud native platform for speech recognition with horizontal scaling, multiple languages and customizable inference pipelines with multiple task specific modules.
- Training of machine learning models for Automatic Speech Recognition and various Natural Language Processing tasks.
- Data mining of machine learning training data such as text, speech and audio.

Technical University of Denmark

Dec 2020–Nov 2021

Research Assistant

- Research within Automatic Speech Recognition, prototyping and business development of the speech recognition company Alvenir. Funded by InnoExplorer grant from Innovation Fund Denmark.

Technologies used: Python, Pytorch, Tensorflow, Huggingface, Transformers, Docker, Kubernetes, Helm, Helmfile, FastAPI, Kafka, GCP, AWS, Django, Angular, Postgresql, Fairseq, KenLM, Scikit-learn etc.

Netcompany

Sep 2019–Nov 2020

IT Consultant

- Software development as an IT consultant on various projects ranging from 5-100+ participants.

Technologies used: Kafka, Angular, SQL, Java, Groovy, Kotlin, Spring, Hibernate, Ebean, Flyway, Liquibase, Gradle, Git, REST, SOAP, AWS, Docker, Openshift, Terraform etc.

Technical University of Denmark

Jul 2019–Aug 2019

Research Assistant

- Open-sourcing of DeepSpeech 2 Automatic Speech Recognition models for Danish.
- Multiple experiments such as multilingual Automatic Speech Recognition, distillation of large deep learning models and Unidirectional Automatic Speech Recognition models for real time inference.

During studies

2015–2019

Analyst, Netcompany - Development of business logic code in large IT systems in Java.

Teaching Assistant, Technical University of Denmark - Assisting students in the course *Database Systems*

Teaching Assistant, Technical University of Denmark - Assisting students in the course *Social data analysis and visualization*

EDUCATION

Technical University of Denmark, DTU

2013–2019

Digital Media Engineering (M.Sc.) - GPA: 11.4

Thesis: *DanSpeech: Building an Open-Source Speech Recognition Tool for Danish* - Grade 12

Computer Science Engineering (B.Sc.) - GPA: 9.7

Thesis: *Efficient Feedback Analysis using Recurrent Neural Networks* - Grade 12