THOMAS VAKILI

Contact Information

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Education

PhD Student - Stockholm University
2021 -

Currently studying towards a PhD degree in computer science at the Department of Computer and Systems Sciences. The position is financed by the DataLEASH project and is focused on privacy preserving machine learning for clinical natural language processing.

M.Sc. in Computer Science - KTH Royal Institute of Technology
2013 - 2020

Studied the five year engineering programme which grants an engineering diploma and a M.Sc. in computer science. My elective courses focused on natural language processing and machine learning in general. I wrote a master thesis about a method for translating question-answering datasets using multilingual sentence embeddings.

Language Courses - Uppsala Universitet
2016 - 2017

Between the bachelor and master parts of the engineering programme I studied Persian for a year at the Department of Linguistics and Philology. This improved my skills in my second mother tongue and also deepened my knowledge of linguistics which has helped me as a natural language processing researcher.

Teaching Experience

Natural Language Processing
Q1 2021 -

I am a teacher in the natural language processing course which is given to master students in my department. My responsibilities include holding a lecture on deep learning in NLP as well as designing and examining lab assignments and project reports.

Digital Business Strategies and Change Management
Q4 2020 - Q1 2021

I was a teaching assistant in a course on digital management in which I was responsible for grading essays and presentations.

Information Retrieval
Q1 2019 - Q2 2019

During my studies at KTH, I was a teaching assistant in a course on information retrieval. I was responsible for grading lab assignments and helping students understand the material.

Industry Experience

Consultant - Netlight Consulting

Q3 2019 -

Netlight is a prestigious IT consultancy firm based in Stockholm and with offices in multiple European cities. I am currently on leave of absence during my PhD studies.

Data Engineer - Spotify (via Netlight)

Q4 2020 - Q1 2021

Worked as a data engineer in a multinational team at Spotify. The focus of this assignment was helping Spotify develop their data pipeline to improve their curation of core datasets powering their service.

Data Scientist - PostNord (via Netlight)

Q3 2019 - Q4 2020

PostNord is a major logistics company based in the Nordics. I worked as a data scientist and backend developer to build machine learning based route planning and time series prediction.

Backend Developer - Truecaller

Q2 2018 - Q4 2018

Truecaller is a Swedish software company which provides dialer identification and payments in many different countries. I worked as a backend developer in their search team and built information retrieval services.

Research

Vakili, T. and Dalianis, H., 2021. Are Clinical BERT Models Privacy Preserving? The Difficulty of Extracting Patient-Condition Associations. In *Proceedings of the AAAI 2021 Fall Symposium on Human Partnership with Medical AI: Design, Operationalization, and Ethics (AAAI-HUMAN 2021)*

Vakili, T., 2020. A Method for the Assisted Translation of QA Datasets Using Multilingual Sentence Embeddings. Presented at the workshop on *RESOURCEs and representations For Under-resourced Languages and domains.*