



ALI SHIBLI

Data Scientist

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📍 Stockholm

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EDUCATION

M.S. Machine Learning

KTH Royal Institute of Technology

📅 August 2020 - June 2022

📍 Stockholm, Sweden

🎓 GPA: 3.8

B.S. Mathematics

B.E. Computer and Communications Engineering

American University of Beirut

📅 August 2015 - June 2020

📍 Beirut, Lebanon

🎓 GPA: 3.6

Technical Skills

Programming Languages:

Python, Java, C++, SQL

ML Frameworks:

PyTorch, Tensorflow, Keras, Numpy, Scikit-learn, Pandas

Cloud:

GCP, AWS

Web and mobile development:

Flask, Django, Android Studio

Languages

English C2

Arabic Native

Swedish A1/A2

Summary Skills

Computer Vision, NLP, Data Mining and Analysis, Software Development

References

References can be provided upon request.

WORK EXPERIENCE

Data Scientist (contract) at Ericsson, Global AI Accelerator

📅 February 2022 - June 2022

📍 Stockholm, Sweden

- Developing a machine learning solution to predict cellular network traffic using satellite imagery data and live mobile operator network data from different cities.
- Developed a pipeline to fetch and process satellite imagery data.
- Developed, trained, and benchmarked several computer vision models on satellite imagery using Pytorch.

Machine Learning Trainer (contract) at PECA, KTH

📅 December 2021 - January 2022

📍 Stockholm, Sweden

- Designed a machine learning upskilling workshop for engineers from different backgrounds.
- Developed python notebooks and prepared workshop slides related to data preprocessing and analysis, classical machine learning, and modern deep learning.

AI Teaching Assistant (part-time) at KTH, EECS School

📅 August 2021 - October 2021

📍 Stockholm, Sweden

- Presented lectures and tutorial sessions on the following topics (1) Hidden Markov Models and (2) Reinforcement Learning and (3) Computer Vision.
- Mentored students and graded 100+ AI assignments and project presentations.

Data Scientist (intern) at Ericsson, Global AI Accelerator

📅 June 2021 - August 2021

📍 Stockholm, Sweden

- Developed and integrated an Answer Recommendation System for Ericsson's Question-Answering internal forum.
- Trained and benchmarked BERT-based methods, in addition to expanding [the Telecom Question Answering Dataset \(TeleQuAD\)](#).

Computer Vision Research Engineer (part-time) at RPL Lab, KTH

📅 November 2020 - April 2021

📍 Stockholm, Sweden

- Researched SOTA models in graph neural networks and developed a model for webly-supervised visual relationship detection in images.
- Developed and published a python package ([image-caption-scraper](#)) that scrapes images with captions for training the ML models.

Network Engineer (intern) at Touch Telecom

📅 June 2019 - August 2019

📍 Beirut, Lebanon

- Performed troubleshooting activities to analyze and resolve fault reports in the company's telecom network.

AWARDS

- Karl Engver's Foundation Scholarship Award for Academic Excellence, Sweden 2021/2022.
- Hattrick award in AI course at KTH, Sweden 2020.
- Won first place in American University of Beirut IDEAS 2019 startup competition ([article on Tree-D Project](#)), Lebanon 2019.
- American University of Beirut dean's honor list, Lebanon 2019.

SELECTED PROJECTS

- [Tree-D](#) autonomous drone that navigates around trees detecting and shooting parasite nests with a high accuracy (85% in real time). The model was based on Yolov3, and the project won the best final year project in the engineering bachelor.
- [Netflix Recommender System](#) movie recommender system based on a hybrid model of collaborative filtering and content-based recommendation. It exploits [SBERT](#) for embedding the meta-data of the user's preferences and [NCF](#) for doing collaborative filtering with deep learning.