

ALI SHIBLI

Data Scientist

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📍 Stockholm

🌐 <https://alishibli97.github.io/>

🌐 LinkedIn

🐙 Github

EDUCATION

M.S.

Machine Learning

KTH Royal Institute of Technology

📅 August 2020 - June 2022

📍 Stockholm, Sweden

📖 GPA: 3.8

Hatrick Award on AI Course

B.S.

Double Major in Computer and Communications Engineering and Pure Mathematics

American University of Beirut

📅 August 2015 - June 2020

📍 Beirut, Lebanon

📖 GPA: 3.5

Dean's Honor List

Best Engineering Final Year Project

WORK EXPERIENCE

Data Scientist

Ericsson

📅 February 2022 - June 2022

📍 Stockholm, Sweden

- Implemented a framework for querying, preprocessing, and visualizing satellite imagery from different cities across the world.
- Implemented various SOTA CNN models to extract representations from satellite images.
- Working closely with the networking production team to build a production model which will optimize the Network Traffic Prediction KPI.

Machine Learning Mentor

Professional Education Content Alliance

📅 December 2021 - January 2022

📍 Stockholm, Sweden

- Instructed 30 engineers, using self-prepared slides and the discovery method, to provide in-depth reviews and practice problems in data science and machine learning.
- Designed and implemented jupyter notebooks for exercises from scratch in Python that cover a wide range of ML topics.

AI Teaching Assistant

KTH

📅 August 2021 - October 2021

📍 Stockholm, Sweden

- Graded 100+ assignments per grading period to aid the teacher in AI topics of Hidden Markov Models and Reinforcement Learning.
- Partnered with teachers and specialists to implement developmentally suitable lessons tailored to 47 students.

Data Scientist - NLP

Ericsson

📅 June 2021 - August 2021

📍 Stockholm, Sweden

- Led a team of 3 data scientists and 1 web developer to develop a chatbot for Ericsson that is now in internal use in the company.
- Researched and implemented state of the art methods in NLP and conversational systems.
- Developed the Ericsson Question-Answering (QA) dataset by over 1000 labelled QAs.

Research Engineer

KTH

📅 October 2020 - April 2021

📍 Stockholm, Sweden

- Designed a deep learning model that extracts information from images as text in a weakly-supervised manner and achieving SOT results.
- Deployed a web scraping engine that leverages the collection of thousands of images with captions from different web search engines in few seconds.

SKILLS

Programming (Python, Java, C++, Scala)

Python (NumPy, Pandas, Scikit-learn, Pytorch, Tensorflow, Keras)

Web Development (Flask, Django)

SQL (MySQL, NoSQL)

Cloud Computing (AWS [EC2, S3], GCP)

Machine Learning (computer vision, natural language processing, recommender systems)

Data Science (data engineering, preprocessing, analysis, and visualization)

Git

Leadership Experience

Productionizing Models

Network Engineer

Touch Telecommunications

📅 June 2019 - August 2019

📍 Beirut, Lebanon

- Charged with building, configuring, installing, managing, and monitoring networking and IP telephony infrastructure-related hardware and software.
- Analyzed and resolved fault reports and undertook routine preventative measures to avoid service degradations.

PROJECTS

Tree-D

- Autonomous driving drone based on a computer vision algorithm, that detects parasite nests in trees and shoots them with chemicals. The model achieves 80% accuracy in real time.

Image-Caption-Scraper

- Open source package in Python that leverages downloading images with captions from web search engines. The package can download 50 thousand images in about 10 minutes.

Netflix Movie Recommender

- Recommender system based on a hybrid model, that combines neural collaborative filtering and content-based recommendation, that is applied to the Netflix dataset with high performance.

Lebanese Sports Pitches

- Mobile app to connect sports pitches (football and basketball) in Lebanon allowing online booking and reservations.