TAYLAN DOĞAN

Software Engineer

@ ttaylan.dogann@gmail.com · +31 6 51046987 · in tr.linkedin.com/in/taylandogan
github.com/taylandogan · Amsterdam, The Netherlands

EXPERIENCE

Software Engineer — KPN

📅 May 2019 – 📍 Amsterdam, The Netherlands

`Python` `Django` `FastAPI` `Postgresql` `Redis`

- Maintained a couple of different microservice partitions using Django.
- Contributed to development/integration of a live chat functionality.
- Took part in the migration of microservices to a cloud platform.

Software Engineer — Picus Security

📅 Mar 2018 – Mar 2019 📍 Ankara, Turkey

`Haskell` `Python` `Flask` `Postgresql`

- Maintained Picus engine and supervised build processes.
- Used advanced Haskell concepts such as monad transformers, lenses.
- Developed an internal automation tool using Flask and PostgreSQL.

Software Engineer (ML/DL) — Darkblue Systems

📅 Feb 2017 – Mar 2018 📍 Ankara, Turkey

`Python` `Keras` `Flask` `MongoDB`

- Built a car model recognition system that can classify **over 650 car models** with **90% accuracy**, using **Google's Inception-v3** deep learning model. Also, optimized the training process and reduced the epoch time from 3 hours to 15 minutes (12x speed up!).
- Developed a license plate recognition system that recognizes Turkish license plates with **95% accuracy** (acc. with just a single mistake: **98%**).
- Built a sentiment analyzer using **Facebook's Fasttext**, that can classify Turkish tweets into 2 classes (positive/negative) with **80% accuracy**.
- Created a lightweight web application powered by Flask and MongoDB to label the available tweet data.

Software Engineer — Comodo Security Solutions

📅 Aug 2014 – Mar 2016 📍 Ankara, Turkey

`C++` `Python` `Java` `Postgresql` `Cassandra`

- Took part in development of a logo detection module that detects company logos from a given image by using **LBP features**.
- Developed a testbed with a user interface for logo detection system, using Python & PyQt.
- Improved the **ASLab anti-spam engine** by significantly reducing the time spend on an essential database lookup.
- Designed and developed a **web API for our Cassandra mail storage** so that all the other teams could reach the mails.
- Built **a lookup tool** where you could query for MX, DNS, PTR, etc. records of a domain.

SKILLS

Python
Haskell
C++
Java
SQL

EDUCATION

M.Sc. in Computer Engineering
Middle East Technical University
📅 Sept 2014 – July 2018

B.S. in Computer Engineering
Middle East Technical University
📅 Sept 2010 – June 2014

PROJECTS

Odo (in progress)
A web application built in Vue & Django for sharing short audio.

ACCOMPLISHMENTS

Deep Learning Nanodegree
Completed Udacity's Deep Learning Nanodegree in March 2021.

Master's Thesis
A novel general purpose lossless compression algorithm: Encoding Pluggable Inverted Index Compression.

T-BIGG
Got accepted into T-BIGG entrepreneurship programme in 2017.

Volunteered as a Translator
I was among the top 5 contributors in translation of Meetup website, iOS/Android apps into Turkish.

LANGUAGES

Turkish
English
Japanese

HOBBIES/INTERESTS

`Sci-Fi` `Board Games` `Drawing`
`Deep Learning` `Data Compression`