Mehmet Can Altuntaş

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Education

BSc in Computer Science   2015-2020
Bilkent University

Science   2011-2015
Beşiktaş Atatürk Anatolian High School

Work Experience

Intern   June 2018 - July 2018
Invent Analytics, İstanbul

- Completed ETL regarding tasks by using tools like Python and SQL Express
- Designed a CNN that is able to generate features from a given image of a particular clothing. The network was able to generate features such as the colour of the clothing, whether it contained stripes or not etc.
- Designed a character-based RNN that can generate song lyrics using Lua and Torch

Intern   August 2019 - October 2019
Interra

- Designed an Android application for Google's Smart Home APIs. The application is also integrated into the Google's Actions API, letting users give voice commands from their Android devices

Projects

PlayPen

- A static malware analysis tool which utilize the power of machine learning when making predictions. The project has three parts: a disassembler which translates a given executable into an intermediary machine code, a prediction engine that utilize several algorithms to make a prediction whether the executable is malicious or not and a web interface that generates output logs for the file scanned. A project of 3 people, won CSFair 2019 Data Science Award

dadam

- dadam is a j-rpg game engine that lets users to create their own games with little or no programming at all. The user can either drag and drop visual elements or use the logical programming language embedded within the system. The project utilizes Java's primitive graphics library. A project of 5 people

genre-classifier

- genre-classifier lets users to predict the musical genre of a given song. The dataset consisted several preprocessed features such as the frequency and the Mel-frequency cepstral coefficients. The model was trained with SVMs and neural networks, and LDA was used for dimensionality reduction. Every single algorithm was written from scratch. A project of 2 people

lucy

- Lucy is a crossword-solver that is specifically aimed to complete NY Times' mini crosswords. Uses constraint satisfaction and similar methods

cargo

- cargo is a warehouse management tool that is able to make CRUD operations. Written on top of the LAMP stack, a project of 2 people

gene-tonic

- gene-tonic is genetic algorithm implementation in Scala for optimizing neural network topology

bf

- bf is a generic bloom filter implementation in Python for comparing two different genome sequences

Skills and Abilities

Computer

- Java, Scala, Kotlin, Maven, SBT, Akka, Dropwizard, DeepLearning4j.
- Python, Django, Flask, Tensorflow, Keras.
- Javascript, node.js, React, Express.

Languages

- Turkish (native)
- English (professional working proficiency)

Important Courses Taken

CS319   Object-Oriented Software Engineering

CS461   Artificial Intelligence

EEE 485   Statistical Learning and Data Analytics

CS 413   Software Engineering Project Management

Personal Traits

Great verbal skills, able to cope with busy and stressful schedule, self-disciplined, versatile, good at self-expression

Hobbies and Interests

Playing electric guitar, collecting vinyl, live music, art cinema