Doga Tekin

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Education

École Polytechnique Fédérale de Lausanne (EPFL) *(Expected) Sep 2018 - Jul 2021*
Master of Science, Computer Science — Lausanne, Switzerland
GPA: 5.80 / 6.00

- Coursework: Neural Networks, Machine Learning, Natural Language Processing, Applied Data Analysis, Data Visualization

Bilkent University *Sep 2014 - Jun 2018*
Bachelor of Science, Electrical and Electronics Engineering — Ankara, Turkey
GPA: 3.79 / 4.00 (*summa cum laude*) | Graduation ranking: 13 / 120

- Coursework: Algorithms, Data Structures, Machine Learning, Neural Networks, Statistical Learning, Data Analysis
- Awarded 50% scholarship for ranking 1976/2,000,000 in the Undergraduate Placement Examination.

Experience

Accenture Labs *Aug 2019 – Jan 2020*
Artificial Intelligence Research Intern — Dublin, Ireland

- Working on using evolutionary algorithms in a field they have not been used in before.

EPFL Laboratory for Information and Inference Systems *Feb 2019 – Jun 2019*
Research Assistant — Lausanne, Switzerland

- Implemented a novel exploration method for deep reinforcement learning algorithms using **TensorFlow**.
- Co-authored a paper submitted to NeurIPS 2019.

Bilkent University Learning and Data Science Group *Sep 2017 – Jan 2018*
Research Assistant — Ankara, Turkey

- Built a **Python** framework for the offline evaluation of multi-armed bandit algorithms.
- Modified the **SQL** code of a medical dataset simulator to generate data to train three different bandit models.

ETH Zurich Computer Vision Laboratory *Jun 2017 – Sep 2017*
Research Assistant — Zurich, Switzerland

- Implemented a neural network in **MATLAB** to perform semantic segmentation on magnetic resonance images.
- Added four new features to the modeling platform ArtiSynth by integrating my code into the large **Java** codebase.

Huawei Turkey Research & Development Center *Jun 2016 – Jul 2016*
Software Development Intern — Istanbul, Turkey

- Collected live tweets using **Java** and predicted the response time of a Twitter account to new tweets using **Weka**.

Projects

See more at dogatekin.github.io!

Judging Books by Their Covers - Team: A data analysis project done in **Python** where we investigated whether the visual features of book covers affect their sales.

Stanford Natural Capital Visualization - Team: An interactive dashboard made in **JavaScript** that gives the user insights about the project's training program.

Acoustic Corrector - Team: An Android application made in **Java** that identifies the acoustic distortions in the environment and performs real-time correction.

Evolving Dots - Personal: A visual demonstration of the genetic algorithm programmed in **Processing**. Dots act as a population learning to avoid obstacles by evolution.

Skills

Programming: Python, Java, JavaScript, MATLAB, C++, SQL, R, Scala
Languages: Turkish - Native, English - C2 (TOEFL iBT: 119/120), French - A1

Extracurricular

Bilkent University Engineering Society *Jun 2015 – Jun 2016*
Vice President of the Executive Board — Ankara, Turkey

- Held weekly meetings with 100 members, managed a ₺150.000 budget and organized career/social events.