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

- Courses: Neural Networks, Machine Learning, Natural Language Processing, 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

- Courses: 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

- Worked on a novel application of evolutionary algorithms in the domain of knowledge graph embeddings.

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**.

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 Intern 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**.

Research

K. Parameswaran, **D. Tekin**, P. Rolland, V. Cevher. "Reinforcement Learning with Langevin Dynamics". In: *NeurIPS 2019 Optimization Foundations for Reinforcement Learning Workshop.* 🔗

Projects

See more at dogatekin.github.io!

Evolving Dots: A visual demonstration of an evolutionary algorithm programmed in **Processing**. Dots act as a population learning to avoid obstacles by evolution. 🔗

Spotify Quiz: A web application that creates music quizzes with realtime playback from your own public Spotify playlists using **JavaScript**. 🔗

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 over 100 members, managed a ₺150.000 budget and organized career/social events.