

# Doga Tekin

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## Education

**École Polytechnique Fédérale de Lausanne (EPFL)**  
Master of Science, Computer Science  
GPA: 5.80 / 6.00

(Expected) Sep 2018 - Jul 2021  
Lausanne, Switzerland

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

**Bilkent University**  
Bachelor of Science, Electrical and Electronics Engineering  
GPA: 3.79 / 4.00 (*summa cum laude*) | Graduation ranking: 13 / 120

Sep 2014 - Jun 2018  
Ankara, Turkey

- 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**  
Artificial Intelligence Research Intern

Aug 2019 - Jan 2020  
Dublin, Ireland

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

**EPFL Laboratory for Information and Inference Systems**  
Research Assistant

Feb 2019 - Jun 2019  
Lausanne, Switzerland

- Implemented a novel exploration method for deep reinforcement learning algorithms using TensorFlow.

**Bilkent University Learning and Data Science Group**  
Research Assistant

Sep 2017 - Jan 2018  
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**  
Research Intern

Jun 2017 - Sep 2017  
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**  
Software Development Intern

Jun 2016 - Jul 2016  
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!](https://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**  
Vice President of the Executive Board

Jun 2015 - Jun 2016  
Ankara, Turkey

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