

# 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

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

- 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

Artificial Intelligence Research Intern

Aug 2019 - Jan 2020  
Dublin, Ireland

- Will work on a project related to genetic algorithms and knowledge graph embeddings.

### EPFL Laboratory for Information and Inference Systems (LIONS)

Research Assistant

Feb 2019 - Jun 2019  
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

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 Assistant

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.

## Projects

**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

Vice President of the Executive Board

Jun 2015 - Jun 2016  
Ankara, Turkey

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