

## EDUCATION

**EPFL** Lausanne, CH 2018 – 2021

*Computer Science MSc* GPA: 5.85/6.00

- Graduated **1st** among 112 students in the CS department.

**Bilkent University** Ankara, TR 2014 – 2018

*Electrical & Electronics Engineering BSc* GPA: 3.79/4.00

- Scholarship for ranking **top 0.1%** in entry exam.

## EXPERIENCE

**Oracle Labs** Zurich, CH

*ML Research Engineer* 8 months | Current

- Implemented Graph ML explainability features for PGX.
- Used Auto ML to train accurate trajectory prediction models.
- Analyzed and visualized data to aid security leadership in decision making using PySpark / SQL / Pandas.
- Supervised 5 internships on NLP and reinforcement learning.

*Research Intern* 8 months | 2021

- Created a state-of-the-art NLP pipeline to transform text documents into knowledge graphs (in patenting process).

**Accenture Labs** Dublin, IE

*Research Intern* 6 months | 2020

- Implemented evolutionary algorithms in the graph library AmpliGraph to help users train better embedding models.

**EPFL LIONS Lab** Lausanne, CH

*Research Assistant* 6 months | 2019

- Implemented a novel exploration method for reinforcement learning algorithms using TensorFlow. **Published at NeurIPS 2019 OptRL workshop.**

**Bilkent Data Science Group** Ankara, TR

*Research Assistant* 6 months | 2018

- Built a Python framework for the evaluation of reinforcement learning algorithms and tested it on simulated medical data.

**ETHZ Computer Vision Lab** Zurich, CH

*Research Intern* 3 months | 2017

- Added 4 features to the large (1M lines) ArtiSynth codebase.
- Implemented a U-Net for semantic segmentation of MRI.

**Huawei Technologies** Istanbul, TR

*Software Developer Intern* 1 month | 2016

## PUBLICATIONS

**NeurIPS 2019**

OptRL Workshop

“Reinforcement Learning with Langevin Dynamics”

K. Parameswaran, D. Tekin, P. Rolland, V. Cevher

## SKILLS

Programming

Python Java SQL R  
Javascript MATLAB C++

Frameworks / Libraries

PyTorch TensorFlow NumPy  
Pandas Sklearn Matplotlib

## PROJECTS

Evolving Dots

A visual demonstration of an evolutionary algorithm made in p5.js. Dots act as a population learning to avoid obstacles by evolution.

Stanford Natural Capital Dashboard

An interactive dashboard built for the Stanford Natural Capital project team that helps them track their training statistics.

## PERSONAL

**Bilkent Engineering Society Coordinator**

- Held weekly meetings with >100 members.
- Coordinated a management and leadership conference with over 600 attendees.

**Hobbies**

Game Development, Animation, Juggling