



# Batuhan Kavlak

## Full Stack Data Scientist

A Researcher and a Data Scientist with 5+ years of experience in the industry. I participated in all steps of data science projects: project proposal, fund raising, data collection, model development, large-dataset processing, deployment to web platforms, and user experience with models.

✉ batuhankavlak4@gmail.com

📍 Berlin, Germany

🌐 github.com/bkavlak

☎ +49 163 861 6560

🌐 linkedin.com/in/bkavlak

## WORK EXPERIENCE

### Data Science Engineer UP42

01/2022 - Present

Berlin, Germany

[UP42](#) is a marketplace for satellite imagery and algorithms that you can run with the imagery.

*Achievements/Tasks*

- Joined the analytics team to improve the experience of analytics platform.
- Redesigning the analytics platform with better data management tools by following open standards such as STAC.
- Building in-house Python libraries and services to transform multiple celestial imagery data into a standard format.

### Lead Data Scientist Doktar Agricultural Solutions

02/2019 - Present

Istanbul, Turkey

[Doktar](#) is the agricultural technology leader in Turkey, transforming agricultural decisions for all stakeholders.

*Achievements/Tasks*

- Coordinated mainly a team of 11 people from different backgrounds and other teams in the company (Software, Agriculture, and Machine Learning Engineers) to build model works on production.
- Prepared and presented a proposal to the Turkish Science Institution to create a holistic system to track the agricultural situation in Turkey within the year. The project was funded with a \$100k grant.
- Involved in consultancy projects that focus on the Turkish agricultural system and its stakeholders. Traveled around more than 20 cities to analyze and report the current situation.

## EDUCATION

### Business Administration & Management Boğaziçi University

09/2013 - 01/2019

Istanbul, Turkey - GPA: 3.5

*Courses*

- Data Science for Businesses
- Management Science
- Research Methods
- Operations Management

### Erasmus - Business Administration Universiteit Twente

02/2017 - 07/2017

Enschede, the Netherlands

## SKILLS

Python

FastAPI

Linux

R

PostgreSQL

POSTGIS

AWS

GCP

Microsoft Office

## PERSONAL PROJECTS

### Turkey & Syria Earthquake Response (02/2023 - 04/2023)

- Coordinated imagery efforts in Turkey & Syria Earthquake Response for Humanitarian OpenStreetMap Team using mostly Maxar imagery. [FOSS4G Keynote by Said Turksever](#)

### Understanding Map Uncertainty with Bootstrap (03/2021 - Present)

- We are going to publish a paper about adjusting map area estimates with bootstrap uncertainty estimation. [GitHub Page](#)

## PROFESSIONAL PROJECTS

### UP42 Storage v2.0 (06/2022 - Present)

Transforming more than 20k assets from different providers into a standard format using STAC. Imagery such as Airbus, Sentinel-2, Supervision, Intermap, Hexagon, Capella, TripletSat, and WorldDEM Neo. [Feature Docs](#)

### National Agricultural Information System (06/2020 - 11/2021)

> 95% for crop classification, > 85% for boundary delineation, processing > 10TB data. [Product Page](#)

### Doktar Pest Trap Model (08/2020 - 08/2021)

On active deployment, the model updates itself as data labels come. [Product Page](#)

### Soil Analysis Device Fertilizer Advice (01/2020 - 04/2020)

Farmers can get their fertilizer advice in 5 minutes with the product and the model. [Product Page](#)

## LANGUAGES

Turkish

Native or Bilingual Proficiency

English

Full Professional Proficiency

## INTERESTS

Cognitive Science

Philosophy

Computer Vision

Statistics

Singing

Social Businesses