Hikmet Demir

✉ hikmet548@gmail.com | 🔗 hikmet-demir | 🐙 hikmet-demir | Ⓜ hikmet-demir | 📞 +90 507 390 50 99

EDUCATION

2016-2020 May   **Department of Computer Science, Bilkent University**, Turkey, Senior, Full Tuition-Waiver Merit Scholarship, 3.49 / 4.00

2019 Jan – June   **National Taiwan University, Computer Engineering, Exchange Student**

2017-2020 May   **Department of Mathematics**(Double Major), **Bilkent University**, Turkey,

Relevant Courses: Algorithms, Object-Oriented Design, Data Structures, Machine Learning, Linear Algebra 2, Algorithms and Programming, Probability and Statistics, Stochastic Models, Data Analysis, Database systems,

WORK & PROJECT EXPERIENCE

Orientis AI, Part-time Machine Learning Engineer, Ankara, Turkey   *October 2019 – Now*
- Developed an algorithm to detect 14 different diseases from chest X-rays with Deep Learning(pytorch)
- Integrated it to a website with flask and HTML to display probabilities and heatmaps of each disease
- Achieved 0.8 – 0.9 AUC scores for each disease. Shipped website and algorithm to AWS E2.

Yelp, User Location Intelligence, Software Engineering Intern, Hamburg, Germany   *July – Sep 2019*
- Created Automated Snapshotting for redshift tables with Spark ETL and implemented it to the production pipeline, ended the bias caused by training data on the machine learning model.
- Analyzed Photo Upload Data with spark and sql, created new data source from photos for model
- Established a new way to detect store visits and Increased the confidence scores of predictions.
- Brainstormed about possible projects with the team and helped with code reviews to other teams.

Showpad, Data Science Intern, Ghent, Belgium   *June – August 2018*
- Developed Showpad's recommendation engine from scratch in 3 months as a team of four.
- Researched and implemented Latent Semantic Analysis (LSA) and Latent Dirichlet Allocation for content based recommendation and semantic extraction with python and Elasticsearch.
- Implemented the backend(node.js) of the recommendation engine and helped the front-end(react)
- Dockerized everything and prepared it for production. Shipped it to Kubernetes.

Somera, Software Engineering Intern, Ankara, Turkey   *June – August 2017*
- Developed a face recognition application on python which takes an image file as input and outputs the celebrities and names of celebrities.
- For image recognition, scraped names and photos of celebrities from socialbakers.com and famousfix.com, and trained a machine learning model on this dataset.
- Continued working part-time for 6 months and implemented the application to engineering pipeline

SKILLS

Programming:
- **Python, Java**, **C++, Spark, Sql**
- **React, Node, C, Git, Docker, TypeScript, Matlab, Html, Css**

Libraries/Technologies: **Pyspark, Elasticsearch, Sklearn, numpy, NLTK, pandas, flask, Gensim, BeautifulSoup, requests**

HONORS & AWARDS

2019 – **2nd** place in Cyber Security hackathon, **Hackathor**

2017 - Ranked **116th** worldwide among 3350 teams with a team of three in **IEEExtreme 11.0 Programming Competition**

2017 - **3rd** place in data science themed hackathon, **STM & Temsa Datathon**

2016 - Ranked **446th** in **Nationwide University Entrance Exam (LYS)** among 2 million students

2015 - **1st** place in Region at **TUBITAK National Research Project** Competition, Math Category

2013 - **2nd** place in 14-21 year old category at **Turkish Intelligence Foundation (TZV)**

2013 - **3rd** place in **Akdeniz University National Mathematic Olympiads**

2012 - **National finalist** in **TUBITAK National Mathematic Olympiads**

EXTRACURRICULAR ACTIVITIES

Crossing Paths, Volunteer   **2018 – Now**
- Part of "Career Talks" which organizes weekly live show over youtube with people from different professions.
- Editor of the Crossing Paths blog, interviewing with successful people from different professions.

Intel Student Ambassador   **2017 – Now**
- Organized Intel Artificial Intelligence Workshop with Intel Engineers, 500 people joined all around Turkey. Lead a team of 25 students for organization

IEEE Bilkent Student Branch, Active Member   **2016 – Now**
- Organizing and co-instructing python lesson for university students with a focus on non-engineering students– **Now**
- Organized "Internship Abroad" conference for the second time, coordinated all event and explained whole process with another 2 speakers over 250 students – **2019**
- Organized and instructed python lesson for university students, conducted 5 session in total – **2018**
- Organized "Internship Abroad" conference for the first time, coordinated all event and explained whole process with another 2 speakers over 250 students – **2018**
- Organized Nvidia DLI Workshop with Professor Alptekin Temizel – **2017**

IEEE Bilkent Student Branch, Career & Internship **Coordinator**   **2017-2018**
- Organized Career Forum '17 which is a week-long engineering student career event that hosted companies like IBM, Sony, Tchibo, Somera, COMODO & Tofaş at Bilkent University and over 400 university students attended to the event.
- Lead a team of 30 students as well as maintaining communication with students, speakers and sponsors.

Travelling, Hiking/Camping, Reading, Debate, Trekking, Squash