

# KAYHAN ERYILMAZ

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## EDUCATION

University of Illinois at  
Urbana-Champaign

Graduated May 2020

Bachelor of Science in  
Industrial Engineering  
Minor in Statistics

## SKILLS

Python

Pandas

scikit-learn

Plotly

Pyspark

Tensorflow

HTML

Javascript

D3

Docker

InfluxDB

Grafana

RRDTool

Java

Android Studio

SQL

Tableau

SAS

R Studio

Excel

Adobe InDesign

## LANGUAGES

English: Fluent

Turkish: Fluent

Chinese: Conversational

Japanese: Novice



## EXPERIENCE

### TurkNet Communication Services Inc.

Data Scientist

Istanbul, Turkey

Oct '20 - Present

- Designed and implemented a monitoring stack of TurkNet's average ping values regionally as a time series using RRDTool, InfluxDB, and Grafana
- Created a Tableau dashboard to report incorrect customer records, in order to help TurkNet's business units analyze and correct them
- Currently developing software to predict and reduce tickets times utilizing a Recurrent Neural Network using Tensorflow
- Continuing to work on research and development projects as a part of TurkNet's Data Science team

### Big Data Intern

Jun '19 - Aug '19

- Implemented clustering and classification methods from scikit-learn and MLlib to predict what type of domain a user would visit given metrics such as location, time of day, and age
- Reviewed customer browsing history data across Turkey to map out regional browsing preferences and analyze differences

### ISE Senior Design: Spraying Systems Co.

Champaign, IL

Data Scientist

Aug '19 - Dec '19

- Took on the research and development project for the VX-70 nozzle proposed by Spraying Systems Co. to create software that would predict product failure and evaluate pressure data as the ISE Department
- Implemented Isolation Forest Anomaly Detection to detect spray nozzle failures in advance and notify customers beforehand to prevent any halts in production
- Worked with two other ISE students and reported findings and overall progression to Spraying System Co. representatives and establish a project budget

### UIUC Department of Computer Science

Champaign, IL

CS 101 Course Assistant

Oct '20 - Present

- Worked with teaching assistants and other course assistants in lab sections to assist over 200 total students learning basic programming concepts in Python
- Held office hours in order to debug and explain assignments to students enrolled in the course that were inexperienced in programming



## PROJECTS

### Riot Games Player Statistics and Performance Tracking Android App

- Developed an Android app to track and gauge a given player's performance in the popular game League of Legends by Riot Games
- Collected player data through Riot Games API and calculated descriptive player statistics
- Designed the user interface in Android Studio and displayed relevant player information and performance graphs