KAYHAN ERYILMAZ

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🎓 EDUCATION

University of Illinois at Urbana-Champaign

Graduated May 2020
- Bachelor of Science in Industrial Engineering

🐍 SKILLS

Programming
- Python
- Java
- SQL
- RStudio
- Javascript
- HTML

Tools & Software
- TensorFlow
- Keras
- scikit-learn
- Flask
- pandas
- PySpark
- Elasticsearch
- Google Cloud Platform
- Docker
- Heroku
- Git
- Miniconda
- Tableau
- D3
- Plotly
- Grafana
- Kibana

🗣 LANGUAGES

English: Fluent
Turkish: Fluent
Chinese: Conversational
Japanese: Beginner

💼 WORK EXPERIENCE

TurkNet Communication Services Inc.
Data Scientist — Istanbul, Turkey — Oct '20 – Present

- Developed Turkish NLP models for sentiment analysis, emotion recognition, and text classification using support tickets, to improve the interaction between customers and TurkNet's customer support staff
- Implemented modern monitoring stack using InfluxDB and Grafana in place of the legacy tools to track TurkNet's various time-series network data, later receiving acknowledgments from InfluxData
- Designed various business intelligence reports on Tableau using data visualizations and relevant KPI's
- Created an in-depth glossary, explaining various internal terminology and software used within TurkNet to improve the onboarding experience of newly hired data scientists
- Actively creating documentation on TurkNet's internal wiki regarding data science and business intelligence projects

Data Scientist Intern — Jun '19 – Aug '19

- Contributed TurkNet's big data project by processing with PySpark and analyzing daily network traffic of over 100,000 customers to evaluate regional differences and other metrics between customers

ISE Senior Design: Spraying Systems Co.
Data Scientist — Champaign, IL — Aug '19 – Dec '19

- Designed and developed a product with a team Industrial and Systems Engineering students for Spraying Systems Co. that would predict spray nozzle failures based on pressure data using an Isolation Forest model that had a success rate of approximately 91%
- Presented Spraying Systems Co. with an extensive report and presentation that included results from the development, and the potential profits and economic impact gained resulting in an estimated 6-year payback
- Received distinction in the form of the Division 5 Bronze Award by James F. Lincoln Arc Welding Foundation

⚙️ RESEARCH AND TEACHING EXPERIENCE

UIUC Department of Industrial & Enterprise Systems Engineering
Research Assistant — Champaign, IL — Sep '19 – May '20

- Analyzed and visualized data on pandas and plotly that was collected daily from elderly couples that to analyze the correlation between the relationship satisfaction and metrics related to physical health and kinesiology

UIUC Department of Computer Science
CS 101 Course Assistant — Champaign, IL — Aug'18 – May'19

- Worked with course staff to assist over 400 total students learning basic programming concepts in Python, receiving positive feedback from students

🐙 PROJECTS

- **DumbleBot |** Created a chatbot using Keras that imitated the fictional character Dumbledore
- **Reddit Alert Bot |** Created a bot to notify when a new post in a subreddit contained ertain keywords
- **GitHub & Blog |** Regularly documented personal projects and experiences