Kerem Akıllıoğlu

Darussafaka Mah. Istinye, Istanbul | keremakillioglu9@gmail.com | +90 531 582 46 99
linkedin.com/in/keremakillioglu | github.com/keremakillioglu

EDUCATION

Sabancı University, Istanbul, Turkey   **Sept 2016- June 2020**
B.S. in Computer Science and Engineering, Faculty of Engineering
- Received **Merit Scholarship,** Listed in Dean's **Honor or High Honor List** in all semesters with 3.51/4.00

Nanyang Technical University, Singapore   **Aug 2018- Dec 2018**
Exchange Program in School of Computer Science and Engineering

EXPERIENCE

Software Engineer, Admost Mediation Limited, Istanbul, Turkey   **June 2020- Present**
- Developing API and services for Slashpay Payment Systems using C#, .NET Core Framework and MySQL
- Extracted data from 15 retail websites by building web scrapers with Go, Colly and Chromedp to assist analytics team
- Database administration for Admost's clients using PostgreSQL

Research and Development Intern, Bekaert Asia R&D Center, Wuxi, China **July 2019- Sept 2019**
- Initiated a project to automate the process of measuring the rubber covering on wire manufactured by the company
- Installed a compact system with a motor and camera, rotated wires for every 0.9 degrees and took instant photos of wires
- Controlled the system with Python, conducted image processing with OpenCV and estimated rubber covering(%) on wires

Research Assistant, Data Analytics Lab at Nanyang Technical University, Singapore   **Dec 2018- Feb 2019**
- Created a scoring mechanism that ranks the graph database queries & languages according to their cognitive complexities
- Prepared a survey on the graph database queries in different languages to measure intuitiveness of languages and queries

Research Assistant, Data Systems Group at University of Waterloo, Ontario, Canada   **June 2018- Aug 2018**
- Processed continuous data over graph databases and contributed to an open source project Apache Tinkerpop
- Implemented graph traversal algorithms with Java, wrote queries with Gremlin Query Language
- Ran experiments on several datasets to test the efficiency of the algorithms and queries

Lecture Assistant, Sabancı University, Istanbul, Turkey   **Feb 2017- May 2018**
- Introduced some programming concepts, such as statements, iteration, and functions by using Python
- Assisted students for comprehending the course materials in recitations and solved worksheet questions for the students

Corporate Finance Intern, PricewaterhouseCoopers, Istanbul, Turkey   **Jan 2018- Feb 2018**
- Assisted CF team to compile annual report on the Turkish Government's investments in infrastructure

Marketing Intern, Google, Istanbul, Turkey   **July 2017- Sept 2017**
- Created a gamification road map for a new platform that aims to attract marketing executives to use Google Ads more
- Prepared a brief on the user interface and worked closely with a Google Partner Agency in London to implement the ideas

Business Development Intern, Delivery Hero (Yemeksepeti), Istanbul, Turkey   **July 2016- Sept 2016**
- Tracked the registration status of various restaurants and added new restaurants to Yemeksepeti.com's database
- Analyzed data, requested, and worked on the automatic arrival of weekly reports in collaboration with IT department

PROJECTS

Effective Labeling of Micro-Topic Relationships for Sabancı University   **Sep 2019- June 2020**
- Divided the lecture materials into micro-topics, calculated the prerequisite scores of pairs and generated concept graphs
- Developed algorithms to detect prerequisite relationships of micro-topics of courses to improve e-learning experience
- Built an interactive tool to visualize and automate the prerequisite selection process using Python, Flask & Neo4j

FigureOut, E-commerce Website Project   **Feb- June 2020**
- Created a figure model ecommerce website with exclusive features and interfaces for sales & product managers
- Did backend development with Python, Django REST API and MySQL in an agile environment where Scrum is used

Yelp.com User Review Statistical Analysis   **Feb- June 2020**
- Implemented exploratory data analysis, formulated hypotheses about the relationships between various variables of user reviews, and applied appropriate statistical tests (i.e. univariate, bivariate, and multivariate) to evaluate the hypotheses
- Conducted regression analysis and built multiple linear regression models, two-factor ANOVA with R

Sports and Population Growth Correlation Project   **Feb- June 2018**
- Investigated whether there is a positive correlation between the population growth of states and the annual championships of state teams in basketball, football, or baseball in USA
- Conducted hypothesis testing through implementing Decision Tree and SVM algorithms with Python

SKILLS

Programming: C#, Python, C++, Java, Golang, R, MySQL, PostgreSQL
Frameworks: .NET Core, Django, Flask, Chromedp Web Driver
Tools: Git, Jira, Asana, Agile Methodology, Microsoft Office Applications
Language: Turkish *(Native)*, English *(Advanced)*, German *(Beginner)*

VOLUNTEER WORK AND ACTIVITIES

Board Member, Gastronomy Club, Sabancı University**,** Istanbul   **Sept 2016 - June 2020**
Fellow, Entrepreneurship Foundation, Istanbul   **Oct 2017- June 2019**
Eurobasket 2017 IT Volunteer, Turkish Basketball Federation, Istanbul **Aug - Sept 2017**