Kerem Akıllıoğlu

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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 Programme in School of Computer Science and Engineering

EXPERIENCE

Software Engineer, Admost Mediation Limited, Istanbul, Turkey   **June 2020- Present**
- Developing API, database, and server-side services for diverse client base with Golang and C# (.NET)
- Database administration using a combination of PostgreSQL and MongoDB

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 to rotate wires for every 0.9 degrees and take their instant photos to reconstruct 3D model of the wires and wrote a Python program to control the system

Research Assistant, Data Analytics Lab at Nanyang Technical University, Singapore   **Dec 2018- Feb 2019**
- Under supervision of Professor Sourav Bhowmick, running a project which aims to bridge graph data management with Human Computer Interaction in order to understand the impact of graph query languages on end users

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

Computational Thinking Lecture Assistant, Sabanci University, Istanbul, Turkey   **Feb 2017- May 2018**
- Assisted students for comprehending the course materials in recitations, solved worksheet questions for the students on a regular basis, introduced some programming concepts, such as statements, iteration, and functions by using Python

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

Marketing Intern, Google, Istanbul, Turkey   **Jul 2017- Sept 2017**
- Prepared a brief on the user interface of a platform targeted at high level marketing executives of high potential firms to use Google Ads, worked closely with a Google Partner Agency in London in order to implement the ideas
- Initiated the creation of an internal event monitoring program which aims to optimize event sourcing process through monitoring the possible events that can be suitably hosted by Kamara, a Google Vendor Event House

Business Development Intern, Yemeksepeti.com, Istanbul, Turkey   **Aug 2016- Sept 2016**
- Tracked the registration status of various restaurants, took the appropriate course of action such as reporting and making regular calls and added new restaurants to Yemeksepeti.com's electronic system
- Analyzed data, requested and worked on the automatic arrival of weekly reports in collaboration with IT department
- Formatted and categorized user reviews on a weekly basis, optimized the user review reports by changing its format

PROJECTS

Instacontroller, Golang,   **Sep 2020- Present**
- With the aim of automating Instagram management, developing a program that enables following desired amount of accounts from desired sources, sharing and scheduling posts from PC

Yelp.com User Review Statistical Analysis, github.com/keremakillioglu/ReviewAnalysis **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, datascience2018.wordpress.com/   **Feb- June 2018**
- Investigated if there was 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, investigated whether it is possible to determine the champion state by analyzing the relevant datasets through implementing Decision Tree and SVM algorithms with Python

SKILLS

Language: Turkish *(Native)*, English *(Advanced)*, German *(Beginner)*
Programming: Python, Java, C++, Golang, R, MySQL, Semantria *(sentiment analysis),*
Tools: Git, Jira, Microsoft Office Applications

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**