Furkan Kerim YILDIRIM

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EDUCATION

Double Major SABANCI UNIVERSITY   Expected June 2024 ● Istanbul, Turkey

B.S. in Computer Science and Engineering, *Faculty of Engineering and Natural Sciences (Sophomore)*

- Related Coursework: Software Engineering, Operating Systems, Database Systems, Mobile Application Development, Data Structures & Algorithms, Data Analysis, Web Crawling, Logic & Digital Systems.

B.S. in Industrial Engineering, Faculty of Engineering and Natural Sciences (Sophomore)
- Related Coursework: Operation Research, Decision Economics

SKILLS

Language: Turkish *(Native)*, English *(Advanced)*

Computer: Python, C++, JavaScript, Dart, HTML/CSS, React Native, Flutter, Flask, FastAPI, Numpy, Pandas, Typer, PyTest, Selenium, SQL, MongoDB, Redis, Firebase, REST API Design, OOP, Linux Command Line, Atlassian Tools (Jira, BitBucket, Confluence).

EXPERIENCES

Getir, Algorithm Developer Intern   April 2022 - Present
- Working on optimization test and runtime performances of OSRM and VROOM results with Discreate Event Simulation on Getir Market platform using Prefect and Python libraries Typer, FastAPI, Numpy and Pandas.

Sabancı University, CS300 Learning & Teaching Assistant   February 2022 - Present
- Assisting Gülşen Demiröz on Data Structures course, giving homework, grading, and helping students on assignments, also holding weekly office hours.

CRS Software, Internship   January 2021 - February 2022
- Created and developed an e-commerce platform with ASP .NET CORE using C# language during the internship.

Sabancı University, VERİM Student   November 2021 - February 2022
- Extracted Turkish texts from PDF images using Python and certain APIs with Sabancı University VERİM (Center of Excellence in Data Analytics).

Sabancı University, IF100 Learning Assistant   October 2021 - January 2022
- Assisted students with their Python learning through weekly recitation sessions in the Computational Approaching to Problem Solving course called IF100.

Hiperlink, Part Time Software Developer   June 2021- January 2022
- Developed Search API in an e-Book Library with Python Flask, Redis and MySQL.
- Developed a cross-platform mobile application of an e-Book Library with Flutter.

PROJECTS

FlixWatcher, Sabancı University
- Created a MySQL database of movies and TV shows that will be removed from Netflix in the near future and a linked website to process the database entries. Used Python Request and BeautifulSoup to gather movie and TV show data from some websites. and leaded the project.

Analyzing Prerequisites of Courses, Sabancı University
- Under the supervision of Prof. Hüsnü Yenigün, developed a script with Python to analyze and virtualize the prerequisites of Sabancı University courses, deployed at http://suprerequisites.herokuapp.com.

SUchedule Mobile App, Sabancı University
- Developed a front-end application (SUchedule) with React Native, allowing Sabancı University students to create their schedules with a friendly user interface.
- Developed the back-end service of this application with Python Flask and deployed at Google Play Store and App Store. 1000+ Download

Digital Business Card Application (QRCard)
- Created, developed, operating, and deploying a stand-alone business card web and mobile application where users can keep and share all their social media accounts with Python Flask and React Native using QR Code and NFC technologies.

Location Tracking and Alarm Application (WakeGuard)
- Created and deployed location tracking and alarm application with React Native and Firebase named WakeGuard and leading the project. Deployed at Google Play Store and App Store.

Taxi Booking Application, Alokaza.com
- Led the project for developing a taxi reservation application with React Native such as Uber and Bitaksi and significantly contributed to the frontend of the project.

AWARDS & CERTIFICATIONS

ITU ACM AlgoComp – Online Algorithm Competition for Universities (1st Place at Sabancı University, 15th Place in Turkey, Among 350+ Teams, Team Captain, February'22)

Inzva Hackerspace - Online Programing Contest for Universities (1st Place at Sabancı University, 9th in Turkey, Team Captain, December'21)

VOLUNTEER WORK

Civic Involvement Projects in Sabancı University   February - June 2020
- Contributed to self-confidence development of high school students.

MEMBERSHIPS & INTERESTS

Director of Growth, Sabancı University (SU) Computer Club (2021 – Present)
Active Member, Sabancı University (SU) IEEE Student Branch (2019 – Present)

Swimming, table tennis, traveling, motorsports (especially *F1*), watching film and TV series.