

MUSTAFA AHMET YÜCEL

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EDUCATION

Sabanci University

Faculty of Engineering BSc, Computer Science

Istanbul, Turkey

September 2018 - June 2023

- GPA: 3.06/4.00
- **Relevant Courses:** Data Structures, Algorithms, Software Engineering, Software Design Patterns, Mobile Application Development, Database Systems, Computer Networks, Operating Systems, Artificial Intelligence, Network Security

TECHNICAL SKILLS

- Java, Spring Boot, JPA, PostgreSQL
- JavaScript, Vue.js, Node.js, REST
- Dart, Flutter, Swift (pre-intermediate), Firebase
- Python, Pandas, Matplotlib, Selenium, Playwright, PyQt5
- C/C++, C#, Socket Programming, Docker, Git, UNIX

WORK EXPERIENCE

fraud.com

Istanbul, Turkey

Junior Software Engineer

September 2023 - Present

- Developing a state-of-the-art algorithm to detect malicious activities on a deployed website in a clientless manner. (Continuation of Secure Banking Project mentioned in Projects section below)
- Reviewing academic resources and commercial products to improve the product further.
- Creating various test environments, deploying them in the real-world websites, collecting data and conducting analysis on them to assist in the commercialization of the project.

SabancıDx

Istanbul, Turkey

Junior Software Engineer

May - September 2023

- Experienced Behavior Driven Development, Scrum, and various architecture and design patterns.
- Implemented efficient search algorithms and made use of various data structures.
- Took a part in the development of the AI decision making module of a cross-platform, multi-purpose, and self-maintained test suite to be used in websites and mobile applications with an aim to eliminate re-writing test scenarios in case of a semi or full update in the product.
- Was responsible from the end-to-end structure of server-side.

Delivery Hero

Istanbul, Turkey

Intern Software Engineer

July - September 2022

- Experienced Trunk Based Development, Kanban, Scrum and Spotify Model.
- Analyzed multi-modular Swift codebase built with VIPER architecture pattern and discovered flaws in both Android and iOS app of the company.
- Conducted performance tests, visualized outcomes, reported findings and proposed data-driven solutions for some.

Hepsiburada

Istanbul, Turkey

Intern Data Scientist

September 2021

- Observed and analyzed data consisting only of product titles of customers' purchases to generate verbal features out of them as much as possible.
- Investigated the importance of the generated features on the likelihood of purchases via regression analysis methods like Lasso.
- Created content-based recommendation systems and compared findings with the effects of other already-in-use parameters such as product category, price, etc.
- Wrote a report and presented possible approaches for more accurate product recommendations to the team.

PROJECTS

Secure Banking Project

On-going

Graduation Project Aiming to Prevent Man-in-the-Browser Attacks Targeting Banks

September 2022 - Present

- Worked closely with fraud.com to create a solution for detecting and preventing the MitB attacks targeting real-world banking sites.

UI/UX Design Project

Completed

[Suggest](#), Mobile Application Prototype Enabling Users to Guide Others by Sharing Experiences

September 2022 - January 2023

- Designed and implemented a reddit-like prototype mobile application interface that aims to connect the students of Sabanci University and enable them to share their thoughts on courses given in the university.

Selenium Automation Bot

Completed

[Subot](#), Automated Course Registerer for Sabanci University

August 2022

- Developed a GUI application to automate the course registration period using Python, Selenium and PyQt5.

E-commerce Mobile App Project

Completed

[Shoeshop](#), Mobile Application for Shopping Shoes

March - June 2022

- Singlehandedly designed and developed a database and a mobile application for online shoe shopping using Flutter for frontend and Firebase and Node.js for backend support.

LANGUAGES

- Turkish (Native)
- English (Advanced)

REFERENCES

- Ali Şahin, Director of Software Engineering at Getir
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Relationship: was my director at Delivery Hero