EREN BUDUR

Boston, MA

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Education

Boston University **May 2023**

Bachelor of Arts in Computer Science, Minor in Economics *Boston, MA*

Honors:

Magna Cum Laude ***GPA:*** *3.80*

Upsilon PI Epsilon - International Honor Society for the Computing and Information Disciplines (8 Semesters)

Relevant Coursework

- Data Structures
- Foundations of Data Science
- Algorithms Analysis
- Database Management
- Software Engineering
- Computer Systems

Experience

Boston University **December 2020 – May 2023**

Teaching Assistant *Boston, MA*

- Hosted 4 discussion sections of 20 students each, ran 3 hours of office hours, and created materials for students in CS 237 (Probability in Computing) and CS 101(Intro to Computing) every week.
- Provided instruction and guidance to enhance their understanding and skills in probabilistic algorithms and models.

Trive Financial Holding **June 2022 – August 2022**

Software Engineer Intern *Istanbul, Turkey*

- Led a team of 2 interns in designing, developing, and deploying test automation software that verified the accuracy and consistency of financial data processed by the company's Hazelcast servers, using Selenium, Cucumber, and TestNG.
- Prototyped the development of CI/CD pipelines on Gitlab to automate the execution and reporting of test suites.
- Presented the project to the engineering and management teams, showcasing its benefits, impact, and future roadmap.
- Enhanced the existing automation frameworks by adding five scraper methods, resulting in a more efficient and scalable solution for future projects.

Aktif Bank **June 2021 – July 2021**

Software Engineer Intern *Istanbul, Turkey*

- Developed an ISO 8583 message generator and parser, ensuring compliance with industry standards.
- Debugged critical transaction scenarios in payment HSM, utilizing debugging tools to identify and resolve issues.
- Gained a deep understanding of the financial and banking industry, and the role of ISO 8583 messages in facilitating secure and efficient transactions between banks and payment networks.

Projects

Air Price | *Python, Selenium* **August 2022**

- Automated a script using Python, Selenium, and SMTP to scrape airline websites, clean data, and send ticket information, saving time and improving transparency.
- Configured the SMTP protocol to send automated emails with relevant ticket data to a personal email account, and utilized task scheduling to run the script daily
- Planned expansion of the scraping script to include additional airlines, resulting in a more comprehensive and diversified data set for price comparison and deploy it to GCP for reliability

Photoshare | *MySQL, HTML, Python* **February 2022**

- Built a web application using MySQL, HTML, Python, and Flask, that enabled users to upload, share, and comment on pictures with friends.
- Designed and implemented three database schemas with appropriate relations and constraints, to ensure data consistency and integrity.
- Implemented a web application using Python, SQL, and Flask, leveraging efficient and optimized database queries to provide real-time access to image and comment data for users

Technical Skills

Programming Languages: Python, Java, JavaScript, SQL
Developer Tools: Android Studio, MySQL Workbench, Cucumber, Selenium, TestNG
Technologies/Frameworks: GitHub, Angular, MySQL, Node.js

Languages

- English (Native)

- Turkish (Native)