

# EREN BUDUR

Boston, MA

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## Education

### Boston University

*Bachelor of Arts in Computer Science*

GPA:3.83

May 2023

Boston, MA

### Relevant Coursework

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

## Experience

### Boston University

December 2020 – Present

*Teaching Assistant*

*Boston, MA*

- Taught labs, ran office hours, and created materials for students in CS 237 (Probability in Computing) and CS 101, providing personalized instruction and guidance to enhance their understanding and skills in probabilistic algorithms and models.

### Trive Financial Holding

June – 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 – 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 to expand 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, enabling users to upload, share, and comment on pictures with friends.
- Designed and implemented three database schemas with appropriate relations and constraints, ensuring 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

**Languages:** Python, Java, JavaScript, C, HTML/CSS, OCaml, SQL

**Developer Tools** Google Cloud Platform, Android Studio, MySQL Workbench, Cucumber, Selenium, TestNG

**Technologies/Frameworks:** GitHub

## Extracurricular

### Upsilon Pi Epsilon

Fall 2019 – Present

*Member*

*Boston University*

- An honor society dedicated to promoting the development of technology and computing disciplines at BU
- Attended and contributed to weekly events and projects