

Ilay Guler

(201) 783-5440 | ilay2004@bu.edu | <https://www.linkedin.com/in/ilay-guler-429091291/> | Brookline, MA

Education

Boston University

BA Computer Science

GPA 3.68/4.00

Boston, MA

September 2022 - May 2026

- Courses: Web-App Development, Database Systems, Data Science Tools and Applications, Artificial Intelligence
- 4x Dean's List

Technical Skills

- **Languages:** Python, Java, JavaScript, C#, React, HTML/CSS
- **Developer Tools:** Git/Github, Linux, Numpy, Matplotlib, Scikit-learn, Pandas, Flask, SQL

Professional Experience

Syngin

Junior Developer Intern

Parsippany, NJ

June 2024 - August 2024

- Redesigned the back end of the SynginGo mobile app, sending files Microsoft Azure Blob Storage, reducing costs by 5% while maintaining data integrity and accessibility
- Revamped proof-of-delivery system (POD), streamlining the dynamic generation of POD files on Salesforce for easy supply chain management
- Developed and integrated a Salesforce Lightning Web Component, enabling real-time data synchronization between the newly implemented database, clients, and the IT team, enhancing operational efficiency
- Wrote test cases in Azure DevOps for both the new Lightning Web Component and SynginGo mobile app, ensuring robustness of API's connection to the front end

Spark! Bytes

Full-stack Developer

Boston, MA

February 2024 - May 2024

- Assembled web app leveraging Next.js and Ant to notify Boston University students of free food on campus, projected to reduce food waste from community events by 15%
- Designed and optimized a PostgreSQL database using Prisma ORM to enable efficient data management, ensuring seamless event creation, retrieval, and updates
- Conducted local testing in Docker to ensure a consistent development environment and successfully deployed the web application to Railway, providing a real-time, scalable backend for seamless student access
- Enhanced UI/UX designed based on direct feedback from student organizations, leading to 20% increase in engagement for web application

Projects & Additional Experience

Boston City Budget Analysis

Full-stack Developer + Data Engineer

Boston, MA

October 2024 - December 2024

- Engineered Flask web application analyzing \$4.7B+ municipal budget data, implementing RESTful APIs and pandas data pipelines for real-time financial analytics visualization
- Trained ARIMA model for time series forecasting on different departments of city's operating budget, enabling data-driven prediction for city's expenditure trends
- Applied Huber regression on filtered data, resulting in strong correlation coefficients and moderate coefficients of determination between neighborhood economic factors and city spending

Amazon Movie Review Score Analysis

Data Engineer

Boston, MA

September 2024 - October 2024

- Engineered a machine learning pipeline utilizing Random Forest classification with hyper parameter tuning, achieving a 70% accuracy rate in classifying scores within Amazon movie reviews
- Conducted data extraction of individual user review trends and product quality patterns to use as features for the model, increasing accuracy of by 20%
- Implemented VADER sentiment analysis to increase accuracy of pre-existing model by 10%

BU Engineering IT

IT Consultant

Boston, MA

February 2024 - Present

- Diagnosed and resolved hardware and software issues, reducing downtime for academic and administrative tasks
- Tracked tickets using ServiceNow, ensuring timely updates and resolutions, reducing ticket backlog by 12%
- Investigated and mitigated cybersecurity risks, identifying and resolving vulnerabilities on devices connected to university's network, reducing security incident reports by 10%