

# Awad A. Khawaja

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## EDUCATION

**Boston University**, *College of Arts and Sciences*, Boston, MA  
**Bachelor of Arts Computer Science**

Expected Graduation: May 2025

- **University Scholarship** - Full tuition scholarship, awarded to students with outstanding academic achievement and promise.

**Activities/Interests:** Pi Kappa Alpha Lambda Nu Chapter, BizTech Club, Bodybuilding/Powerlifting, Funded trader

**Relevant coursework:** Data Structures, Probability in Computing, Analysis of Algorithms, Software Engineering, Databases

## WORK EXPERIENCE

**ALKU** - Andover, MA

June 2024 - August 2024

Software Engineering Intern

- Developed notification framework, enhancing user experience by providing real-time updates on operation statuses.
- Optimized commission reporting by refactoring software to accurately query and generate CSV files, reducing manual processing time, saving approximately 3 hours a week for the finance department.
- Designed and deployed a data pipeline to extract data from AWS S3 and automatically populate databases for both development and production environments.
- Participated in bi-weekly sprints, worked within a high functioning software development team focusing on creating software to optimize employee workflows.

**BU Spark!** - Boston, MA

September 2023 - May 2024

Technical Teammate

- Collaborated on the development of a Quantitative Finance job preparation website ([learnquantly.com](https://learnquantly.com)) using Next.js, TypeScript, Prisma, MongoDB.
- Collaborating within a cohesive startup team, employing agile methodologies, and adhering to structured weekly sprints and scrum meetings for efficient development.
- Utilized Jira for Agile methodology with weekly sprints and scrums for efficient project management.

**K&Q Mart** - Nanuet, NY

June 2017 - August 2023 (Seasonal after 2021)

Assistant Manager

- Mentored and trained new employees, optimizing their performance.
- Cultivate and maintain relationships with recurring customers.
- Adapted previous workflows and store environment during the COVID-19 pandemic for customer and employee safety.
- Optimize inventory management by instituting Point of Sale software, which increased revenue by 20%.

## PERSONAL PROJECTS

**Apple Music & Spotify Playlist Transfer** (Python, Flask)

May 2024

- Developed a web application that allowed users to transfer their playlists from spotify to apple music and vice versa.
- Utilized Flask to manage API requests, showcasing proficiency in back end development and API integration.
- Implemented OAuth for secure user authentication across platforms.

**Stock Sentiment Analysis** (Python)

December 2023

- Employed BeautifulSoup for web scraping and pandas for data structuring to extract and organize textual data.
- Implemented advanced Natural Language Processing (NLP) techniques by integrating the BERT deep machine learning model and NLTK to do tokenization and sentiment analysis.
- Produced detailed sentiment insights, showcasing expertise in data processing, machine learning, and NLP methodologies.

**QuickTick Chrome Extension** (JS, HTML, CSS)

August 2023

- Leveraged multiple APIs to fetch real-time crypto data and render it through interactive line graphs across diverse time intervals.
- Engineered real-time USD to cryptocurrency conversion functionality.

## SKILLS

Technical: Proficient in Python, Java, JavaScript, SQL, NoSQL, HTML/CSS, Flask, React, NextJS, AWS, Agile, TypeScript, Git, MongoDB, Snowflake, PostgreSQL, npm, Jest, Postman, Excel, Word, PowerPoint