

# Alan Lin

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## EDUCATION

### Boston University

Sep. 2022 – (May 2026)

*Bachelor of Arts in Computer Science*

*Boston, MA*

- Courses: Concepts of Programming Languages, Probability in Computing, Computer Systems, Linear Algebra, Discrete Math, Data Structures & OOP in Java

## TECHNICAL EXPERIENCE

### Developer

Nov. 2022

*BostonHacks Hackathon (Project: Dow Jones Stock Predictor)*

*Boston, MA*

- Worked alongside a partner with a focus on Dow Jones companies for stock prediction.
- Leveraged yfinance library to retrieve account historical stock data for analysis.
- Incorporated Plotly for interactive data visualization, enhancing user experience.
- Analyzed historical trends and generated insightful predictions to support decision-making in the stock market.

## NON-TECHNICAL EXPERIENCE

### Barista

Sep. 2022 – Present

*Boston University Warren Towers Starbucks*

*Boston, MA*

- Maintained a calm demeanor in fast-paced environment.
- Helped address customer needs, resolving inquiries, and de-escalating challenges.
- Effectively balanced out multiple priorities such as sanitizing and preparing beverages.

## PROJECTS

**StreamSift** | [streamsift.netlify.app](https://streamsift.netlify.app) | [ReactJS](#), [REST API](#), [Javascript](#)

June 2023

- Harnesses the capabilities of the TMDb (The Movie Database) API to deliver timely and accurate information on popular movies and series.
- Ability to access up-to-date details, including descriptions, cast members, and character information.
- Utilizes the TMDb API to target searches for specific movies, series, or actor queries.

**NoteCove** | [notecove.netlify.app](https://notecove.netlify.app) | [ReactJS](#), [Firebase](#), [ExpressJS](#), [Javascript](#)

May 2023 - June 2023

- Implemented an API using Firebase functions to provide seamless access to user information and note items.
- Employed Firebase database to efficiently store and manage user collections and note collections.
- Incorporated Firebase authentication system to enable secure user sign-in and account creation.
- Utilized Firebase storage for seamless storage and retrieval of user profile pictures.
- Developed a visually appealing and intuitive user interface using ReactJS.

**CountrX** | [countrx.netlify.app](https://countrx.netlify.app) | [HTML](#), [CSS](#), [Javascript](#), [REST API](#)

Jan. 2023 - Feb. 2023

- Integrated the RESTful Countries API to retrieve comprehensive data about different countries.
- Leveraged the Google Maps Embed API to showcase interactive maps of specified country.

**BrawlData.js** | [npmjs.com/package/brawldata.js](https://npmjs.com/package/brawldata.js) | [Javascript](#)

Sept. 2021

- API wrapper for BrawlAPI to simplify data retrieval for specific game data.
- Utilized Javascript to efficiently call BrawlAPI and extract desired information from JSON responses.
- Provides a way to access the BrawlAPI api through javascript and streamlines the process of making the api call.

## TECHNICAL SKILLS

**Languages:** Java, HTML/CSS, Javascript, Python, Bash/Shell, x86 Assembly Language, OCaml

**Frameworks/Libraries:** ReactJS, ExpressJS, NumPy

**Developer Tools:** Git/GitHub, Visual Studio Code, Firebase, LaTeX

## CERTIFICATIONS

**Fundamentals of Digital Marketing** – Google Digital Garage: WZW TM2 Q94