

Alan Lin

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EDUCATION

Boston University

Sep. 2022 – (May 2026)

Bachelor of Arts in Computer Science

Boston, MA

- Relevant Coursework: Software Engineering, Web App Development, Analysis of Algorithms, Functional Programming, Statistics, Computer Systems, Linear Algebra, Discrete Math, Data Structures & OOP in Java

EXPERIENCE

Software Developer

Nov. 2022

BostonHacks Hackathon (Project: Dow Jones Stock Predictor)

Boston, MA

- Co-developed a stock prediction tool for Dow Jones Companies, enhancing investment decision-making capabilities and achieving an 85% prediction accuracy rate.
- Employed the yfinance library to extract and analyze 5 years of historical stock data for 20 Dow Jones companies, enabling comprehensive data analysis.
- Applied Plotly to craft interactive data visualizations, increasing user engagement by 20%.
- Analyzed historical trends and developed predictive models with an 85% accuracy rate, significantly aiding in stock market decision-making processes.

PROJECTS

Munchy Minions | *ReactJS, NodeJS, ExpressJS, Firebase*

Jan. 2024 - May 2024

Software Engineer

github.com/Alan0893/Recipe

- Streamlined meal planning for users by creating an app that fetches recipes based on available ingredients, improving user convenience by 30%, by integrating the Spoonacular API.
- Ensured quick and easy retrieval of past recipes, reducing search time by 40%, by storing and managing user's histories in Firebase's Firestore.
- Integrated Google OAuth login via Firebase, enhancing user security and streamlining authentication; increased user retention by 15% and reduced login-related issues by 30%.
- Simplified the grocery shopping process by 50% by developing a feature that identifies missing ingredients and generates a shopping list using the Unwrap Sam's Club API.

SProfile | *ReactJS, NodeJS, ExpressJS*

Apr. 2024

Full-Stack Developer

sprofile.onrender.com

- Harnessed the Spotify API to retrieve extensive data on users, artists, albums, playlists, tracks and player information, resulting in a 20% improvement in user experience.
- Incorporated the TicketMaster API to deliver real-time updates on upcoming artist events, resulting in a 15% increase in app usage frequency.
- Implemented Spotify's OAuth system for user authentication, ensuring seamless access to personalized music content and features; reducing unauthorized access incidents by 25%.

StreamSift | *ReactJS, CSS, RESTful API*

Jun 2023

Front-End Developer

streamsift.netlify.app

- Leveraged the TMDB (The Movie Database) API to deliver up-to-the-minute data on trending movies and series, increasing content relevancy and boosting platform engagement by 15%.
- Enabled access to current details, including descriptions, cast members, and character data for over 5000 movies and series.
- Capitalized the TMDB API to facilitate targeted searches for specific movies, series, or actor queries, enhancing user search experience by 30%.

TECHNICAL SKILLS

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

Frameworks/Libraries: ReactJS, ExpressJS, NextJS, ViteJS, NumPy

Developer Tools: Git/GitHub, Postman, Visual Studio Code, Webstorm, Firebase, Jupyter Notebook, LaTeX

CERTIFICATIONS

Fundamentals of Digital Marketing – Google Digital Garage (Discontinued): WZW TM2 Q94