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*
- Collaborated with a team member to develop a stock prediction tool focused on Dow Jones Companies, aiming to enhance investment decision-making capabilities.
- Utilized the yfinance library to extract and analyze 5 years of historical stock data for 20 Dow Jones companies, enabling comprehensive data analysis.
- Implemented 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' Firestore.
- Provided secure and seamless authentication for users by implementing Google OAuth login through Firebase.
- Simplified the grocery shopping process by 50% by developing a feature that identifies missing ingredients and generates a shopping list using the Unwrangle Sam's Club API.

SProfile | *ReactJS, NodeJS, ExpressJS*   Apr. 2024
Full-Stack Developer   *sprofile.onrender.com*
- Leveraged the Spotify API to fetch comprehensive user, artist, album, plylist, tracks, and player information, enhancing user experience.
- Integrated the TicketMaster API to fetch upcoming events for artists, providing users with real-time access to concert information and enriching their music discovery journey.
- Managed user authentication through Spotify's OAuth system, ensuring secure and seamless access to personalized music content and features.

StreamSift | *ReactJS, CSS, RESTful API*   Jun 2023
Front-End Developer   *streamsift.netlify.app*
- Leveraged the TMDB (The Movie Database) to provide real-time and precise information on trending movies and series.
- Enabled access to current details, including descriptions, cast members, and character data for over 5000 movies and series.
- Utilized the TMDB API to facilitate targeted searched 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