BRANDON WONG

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Education

Stony Brook University   **Sep. 2022 – May 2026**
Bachelor of Science in Computer Science; GPA: 3.32   *Stony Brook, NY*
- Relevant Coursework: Data Structures, Analysis of Algorithms, Software Development, Systems Programming

Experience

Integrating Population Health Informatics   **September 2023 – January 2024**
Undergraduate Researcher   *Stony Brook, NY*
- Integrated 42 diverse data sources, using sophisticated analytic and data visualization techniques to build a picture of the population and specific health concerns.
- Began to develop meaningful solutions and design strategies to combat regional health issues in 127 districts.
- Presented findings and insights from data analysis to faculty and team members, contributing to strategy development in public health initiatives.

Target   **June 2022 – August 2024**
Starbucks Team Member   *College Point, NY*
- Demonstrated exceptional adaptability and problem-solving skills in customer service, quickly addressing and resolving diverse challenges.
- Showcased strong teamwork and collaborative abilities, effectively communicating and adapting within a team.
- Actively engaged with customers to provide a welcoming and efficient service environment, contributing to an increase in customer satisfaction and loyalty.

Projects

Stock Tracker | *React, Node.js, Express.js, MongoDB, Mongoose, Git*   **July 2024**
- Developed a full-stack stock tracking application using React, Node.js, and MongoDB for real-time stock data, portfolio management, and trade history.
- Integrated Yahoo Finance API and Alpha Vantage API to pull live data, providing accurate stock price updates and enhanced search functionality.
- Implemented MVC architecture and REST API operations to streamline communication between the client, server, and database.

Todo App | *JWT, React, Node.js, Express.js, PostgreSQL, Bootstrap, Git*   **August 2024**
- Built a fullstack Todo application featuring JWT-based authentication, allowing users to register, log in, and manage their tasks with full CRUD functionality.
- Implemented a backend using Node.js, Express.js, and PostgreSQL, with JWT providing secure authentication and authorization for all user operations.
- Optimized the application by using RESTful API principles to efficiently handle client-server communication, enabling a seamless and secure user experience.

Weather Application | *HTML/CSS, JavaScript, RESTful API*   **January 2024**
- Engineered a dynamic web-based weather application using JavaScript, leveraging the OpenWeatherMap API for real-time weather data.
- Designed a user-friendly interface enabling users to easily access city-specific weather forecasts, enhancing user engagement and experience.
- Incorporated responsive design principles to ensure optimal functionality and display across various devices and screen sizes.

Technical Skills

Languages: Java, Python, JavaScript, HTML/CSS, SQL (Postgres), C
Technologies/Frameworks: React, Node.js, Express.js, MongoDB, JWT
Developer Tools: Git, VS Code, Postman API, REST client, Linux

Leadership / Extracurricular

ChinaBlue   **Spring 2024 – Present**
Fundraising Head   *Stony Brook University*
- Successfully managed a budget exceeding $1000, orchestrating fundraising initiatives that generated over 50% in profit.
- Led bi-weekly meetings, focusing on collaborative planning and execution of fundraising events.