BRANDON WONG
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Education

Stony Brook University   **Aug 2022 - May 2026**
Bachelor of Science in Computer Science   *Stony Brook, NY*
- Courses: Software Engineering, Operating Systems, Computer Networking, Programming Abstractions, Algorithms and Data Structures, Fundamentals of Software Development

Work Experience

Amazon Web Services (AWS)   **May 2025 – Present**
Software Developent Engineer (SDE) Intern   *Seattle, WA*
- Incoming SDE Intern.

Google   **Feb 2025 – May 2025**
Mentee, Google x Basta Software Engineering Program   *Remote*
- Selected from a highly competitive applicant pool, engaged in **10 weeks** of pair programming and **mentorship** with a Google Software Engineer to strengthen foundational coding skills, enhance problem-solving abilities, and prepare for technical interviews.

SBU V.I.P (WebGen)   **Aug 2024 – Jan 2025**
Undergraduate Researcher   *Stony Brook, NY*
- Programmed and deployed a **Javascript**-based web application aggregating health data from **4 APIs**, visualized through **8** dynamic charts and heatmaps using Plotly.js.
- Streamlined and filtered medical research workflows by creating a tool with **SerpAPI** to fetch **10+** relevant articles from **Google Scholar**.

Projects

Smart Parking System (P4SBU) | *Website* | *Source Code*   **ReactJS | NodeJS | PostgreSQL**
- Designed the system architecture, data models, and UI models for the parking system using **Figma** and **draw.io**.
- Collaborated with **3** students to develop and deploy a full-stack web application aiming to enhance parking experiences of **16,000+** Stony Brook faculty, students, and visitors.
- Utilized **PostgreSQL** for data storage, **NodeJS** for a **RESTful API** backend, **JWT** for authentication, and **ReactJS** for the user interface.

Phreddit | *Source Code*   **ReactJS | NodeJS | MongoDB**
- Created a full-stack social media platform enabling **1000+** users to create posts, join communities, and engage in discussions each other secured **JWT**-based authentication. Engineered an admin UI to manage users.
- Incorporated **MongoDB** for scalable data storage, **NodeJS** to perform **CRUD** operations, and **ReactJS** for a dynamic UI, delivering a seamless and interactive user experience.

Stock Tracker | *Source Code*   **ReactJS | NodeJS | MongoDB**
- Developed a stock trading platform offering portfolio management, real-time stock price updates, and trade history tracking using **ReactJS** and **MongoDB**, integrating **2 APIs** for live stock data and ticker symbol search functionality.
- Architected the backend with **NodeJS** using the **MVC design pattern** and **RESTful APIs**, optimizing scalability and client-server communication for real-time performance.

Leadership / Extracurricular

ChinaBlue   **Aug 2023- Present**
Treasurer (2025–2026), Fundraising Head (2024-2025)   *Stony Brook University*
- Managed a **$10,000+** budget and spearheaded fundraising events, achieving an **125% profit** margin.
- Led weekly meetings to plan and execute events initiatives with a focus on collaboration and diverse impact.

Technical Skills

Languages: Java, Python, HTML5, CSS, JavaScript, C

Developer Tools: AWS, Postman, Git, Agile

Libraries/Frameworks: NodeJS, ReactJS, PostgreSQL, MongoDB