

Jason Zheng

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Education

Stony Brook University

Expected May 2026

Bachelor of Science in Information Systems

Stony Brook, NY

- **Relevant Coursework:** Object-Oriented Programming, Data Structures and Algorithms, Discrete Mathematics, Scripting Languages, Linear Algebra, Database Management, Systems Administration, Intro to Computer Security

Experience

REBNY

Jul 2024 – Aug 2024

Technology Intern

Manhattan, NY

- Spearheaded project plans with **OpenAI API** integration for **nyclease**, which streamlined user queries by **40%**.
- Engineered the first prototype, achieving a **30% reduction** in response time for users throughout test environments.
- Prepared detailed documentation for future developments of the chatbot, providing clarity for team members.
- Developed and deployed an accessible **AI assistant** that simplifies lease sales and reduced inquiry time by **50%**.

Projects

BootyRush (HopperHacks Mini-Track Winner) | HTML, CSS, JavaScript

February 2025

- Developed a silly pirate-themed website using **HTML, CSS, JavaScript**, featuring interactive games designed to demonstrate statistical improbability and gambling risks through intentional negative player outcomes.
- Utilized **Git** version control to commit **60+ commits** features and bug fixes while maintaining organized clean code.
- Awarded **1st place** in the Treasure Trove of Talent Track at **HopperHacks 2025**, recognized for its innovative concept, engaging seamless gameplay, and effective implementation.

Relational Cancer Research Database | SQL

Oct 2023 - Dec 2023

- Collaborated with a team to develop a complex **relational database** aimed at discovering tendencies with **cancer**.
- Achieved **3NF (3rd Normal Form)** to eliminate data redundancies, reducing potential update anomalies by **35%**.
- Delivered a high-integrity **relational database** solution that decreases **query time by 50%**, enhancing research capabilities for **cancer trend analysis**.

Walmart RFID System | Java

Jul 2023 - Aug 2023

- Engineered a Walmart-like **RFID-based product management program**, capable of managing over **100,000 items**.
- Implemented **elasticity**, optimizing system memory by **40%** using **list data structures**, streamlining item tracking, checkout operations, and cutting overall system load.
- Incorporated item tracking, returns, and restocks, reducing item look-up time and improving organization by **35%**.
- Resulted in an RFID system managing over **100,000 items**, reducing overall item processing time by **30%**.

Adaptive Inquiry Responder | Java

Jul 2023 - Aug 2023

- Developed an interactive **issue resolution program** for efficient problem-solving with large **Q&A datasets**.
- Utilized **tree data structure algorithms** to enhance time efficiency, cutting average query processing time by **40%**.
- Designed a **question-answer program** processing extensive inquiries and conducting automated **Q&A sessions**.
- Designed a **Q&A system** that handles **1,000's of queries**, delivering swift and precise responses with **99% accuracy**.

Leadership

Theta Tau Professional Engineering Fraternity

Nov 2023 – Present

Web Development Chair

- Co-lead a team of **4** to develop a continuing fraternity website prototype to increase the chapter's digital presence.
- Leveraged modern web technologies including **React, JavaScript, HTML**, and **CSS** to ensure scalable architecture, responsive design, and seamless user interaction across devices.
- Mentored team members by teaching foundational basic web-development technologies and providing weekly meetings with hands-on support to resolve technical challenges to enhance team motivation and efficiency.

Technical Skills

Technologies: Java, Python, HTML, CSS, JavaScript, React, Ruby, SQL

Developer Tools: VSCode, Git, Node.js, IntelliJ, Eclipse, MS Access, MySQL, PyCharm