

Jerry Liu

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EDUCATION

Boston University

Boston, MA

Bachelor of Arts and Science in Computer Science, GPA: 3.71

Sep. 2023 – May 2026

Coursework: Intro to Computer Science 2, Combinatoric Structures, Computer System, Geometric Algorithms, Software Engineering, Introduction to Analysis of Algorithms, Probability in Computing

Honor: Dean's List

College of Staten Island

Staten Island, NY

Bachelor of Science in Computer Science, GPA: 3.92

Aug. 2022 – May 2023

Coursework: Intro to Computer Science, Intro to Web Development, Intermediate Programming, Computer Networking and Security, Calculus I-II, Linear Algebra

Honor: Dean's List

TECHNICAL SKILLS

Programming: C++, HTML/CSS, Java, JavaScript, TypeScript, Python, SQL

Framework: Express, NodeJS, React

Tools: MongoDB, Git, Docker, Postman, Linux, CMD

Certificate: Google Cybersecurity Professional Certificate (Issued on Nov 2024)

Methodologies: Agile, Scrum

EXPERIENCE

Computer Systems Course Assistant

Sep. 2024

Boston University

Boston, MA

- Assisted students with fundamental computer systems concepts, including hardware (digital logic, memory, processors) and software (assembly language, operating systems, C programming).
- Held weekly office hours and answered student queries on online platforms to support assignment completion and material comprehension.
- Assisted with grading, tracked student progress, and attended staff meetings to improve course delivery and address student concerns.

PROJECTS

BurgerCraft | *React, JSX, NodeJS, Express, JWT, MongoDB*

- Built an interactive burger customization platform in React with a real-time visual builder that dynamically displays ingredient additions, enhancing user engagement and personalization.
- Developed secure user authentication in Express.js with cookies and tokens, enabling user account creation, personalized ingredient selection, and order history tracking in MongoDB.
- Utilized MongoDB for efficient ingredient data management, including nutritional and other relevant details, with on-demand retrieval through RESTful API-like principles.

Customer Connect | *React, Typescript, NodeJS, Express, JWT, MongoDB, Socket.io*

- Developed a comprehensive Customer Support CRM to streamline ticket management, enabling users to create, track, and resolve support tickets efficiently.
- Implemented real-time chat functionality using Socket.io, facilitating immediate communication between support agents and customers, enhancing user engagement and satisfaction.
- Designed and integrated an analytics dashboard to track key performance metrics, providing insights into ticket resolution times and agent performance, ultimately improving support efficiency.