

Julie H. Nguyen

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EDUCATION

University of California, San Diego

September 2022 - Present

Bachelor of Science (B.S.) | Major: Computer Science | GPA: 3.75

- Relevant Courses: Advanced Data Structures, Basic Data Structures and Object-Oriented Design, Computer Organization and Systems Programming, Design & Analysis of Algorithm, Discrete Mathematics, Introduction to Computer Architecture: A Software Perspective, Mathematics for Algorithms and Systems, Software Engineering, Web Client Languages
- Jacobs School Scholarship at UCSD, Jacobs School of Engineering - \$150,000

WORK EXPERIENCE

UCSD Computer Science and Engineering Department

March 2026 - Present

Instructional Assistant: Software Engineering.

Professor: Thomas Powell.

- Acted as a key communication bridge between the professor and 270+ students, clarifying assignment details, deadlines, and course logistics via Slack while also holding weekly lab hours to provide one-on-one and small-group tutoring.

Instructional Assistant: Components and Design Techniques for Digital Systems.

January 2026 - March 2026

Professor: Tajana Rosing.

- Act as a key communication bridge between the professor and 180+ students, clarifying assignment details, deadlines, and course logistics via Piazza while also holding weekly office hours to provide one-on-one and small-group tutoring.
- Conducting comprehensive quality assurance on all course exams, analyzing questions for clarity, technical accuracy, and appropriate difficulty, then providing detailed feedback to course staff to refine assessments for students.

Instructional Assistant: Web Client Languages.

September 2025 - December 2025

Professor: Thomas Powell.

- Acted as a key communication bridge between the professor and 100+ students, clarifying assignment details, deadlines, and course logistics via Slack while also holding weekly office hours to provide one-on-one and small-group tutoring.
- Designed and led a week's discussion section on advanced HTML/CSS/JS concepts, demos, and code samples for students that clarified complex topics like form validation and the View Transition API, directly supporting their homework.

PROJECTS

Plateful - Social-Sharing Recipe Platform

September 2024 - December 2024

- Collaborated with a team to develop a MERN stack (MongoDB, Express.js, React, Node.js) social-sharing recipe platform, featuring secure JWT-based user authentication, recipe creation, and advanced search/filtering options.
- Enhanced user engagement through personalized features, including favoriting, liking, sharing, and rating recipes via a 5-star system, dietary-specific recipe filters, scalable cost indicators designed to meet the users' needs.

Travel Serenity - Hotel Booking Website

June 2024 - July 2024

- Created a full-stack hotel booking website using the MERN stack (MongoDB, Express.js, React, Node.js).
- Built a dynamic home page with advanced search functionality, allowing users to search and reserve for hotels by different filtering options providing a seamless booking experience to meet the users' needs.
- Implemented secure JWT-based user authentication, enabling users to register, login, and manage their bookings.

ACTIVITIES

Roblox + RBXDev at UCSD - Project Manager

October 2025 - Present

University of California, San Diego

- Serving as both Project Manager and Programmer for the RBXDev website team; managing the project's lifecycle and sprint planning while actively developing core website functionality, ensuring technical feasibility aligned with product goals and enabling a successful on-time launch.

Triton Web Developers - Project Lead

October 2025 - Present

University of California, San Diego

- Develop and launch professional websites for UCSD clubs, strengthening their digital footprint and member outreach.

PROGRAMMING LANGUAGES

ARM Assembly, C, C#, C++, CSS, Git Commands, Haskell, HTML, Java, JavaScript, Lua, Python.