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: 3.73

- Relevant Courses: Advanced Data Structures, Basic Data Structures and Object-Oriented Design, Components and Design Techniques for Digital Systems, Computer Organization and Systems Programming, Data Science in Practice, Design & Analysis of Algorithm, Discrete Mathematics, Mathematics for Algorithms and Systems, Programming Languages: Principles and Paradigms, Software Engineering, Software Tools and Techniques Laboratory, Theory of Computation, Web Client Languages

San Bernardino Valley College   **August 2019 - May 2022**

Associate of Arts (A.A.) | Major: Biological and Physical Sciences | GPA: 4.0

WORK EXPERIENCE

UCSD Computer Science and Engineering Department - Instructional Assistant   **September 2025 - Present**

Course: CSE 134B - Web Client Languages. Teaching staff for Thomas Powell.

- Act 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.

Coding4Youth Inc - Coding Instructor   **June 2025 - Present**

- Design and deliver engaging coding lessons in Python, Lua, and Scratch for K-12 students, fostering problem-solving skills and computational thinking.
- Tailor lessons to individual student's learning styles to ensure comprehension in class sizes of 1-6 students.
- Improve students' coding proficiency through personalized feedback and project-based learning.

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, advanced search and filtering options (by cost, calories, preparation time, cuisine/dietary tags), and detailed recipe content pages displaying ingredients, directions, serving size, etc.
- 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, and a minimalistic interface 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) with Yarn for package management. Built a dynamic home page with advanced search functionality, allowing users to search and reserve for hotels by location, date range, number of adults, children, and rooms, providing a seamless booking experience.
- Implemented secure JWT-based user authentication, enabling users to register, login, and manage their bookings.

AWARDS & HONORS

Jacobs School Scholarship at UCSD, Jacobs School of Engineering - $150,000   **March 2022 - June 2026**

- Highest award and honor given by UC San Diego, Jacobs School of Engineering. Jacobs scholars are selected for their academic achievement, demonstrated leadership, commitment to community, and innovative potential.

ACTIVITIES

Association for Computing Machinery (ACM) - General Member   **September 2022 - Present**

University of California, San Diego

- Spring 2023 Project Hack Team Member.

PROGRAMMING LANGUAGES

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