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: 3.63
- Relevant Courses: Advanced Data Structures, Basic Data Structures and Object-Oriented Design, Computer Organization and Systems Programming, Data Science in Practice, Design & Analysis of Algorithm, Discrete Mathematics, Introduction to Programming and Computational Problem-Solving: Accelerated Pace, Mathematics for Algorithms and Systems, Software Engineering, Software Tools and Techniques Laboratory, Theory of Computation

San Bernardino Valley College   **August 2019 - May 2022**
Associate of Arts (A.A.) | Major: Biological and Physical Sciences | GPA: 4.0

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.

TaskRPG - Gamified Productivity Website   **August 2024 - September 2024**
- Developed a gamified productivity website using JavaScript, HTML, and CSS for front-end functionality and DOM manipulation featuring an experience points (EXP) system where users earn rewards for task completion and can unlock new website themes and backgrounds. Utilized localStorage for persistence of user data, tasks, and customizations across sessions.

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.

Code Names, ACM - Digital Board Game   **April 2023 - June 2023**
- Collaborated with a team to develop a fully responsive, cross-platform web version of the card game "Codenames" using Node.js, React, HTML, CSS, JavaScript, Socket.IO, and Netlify, enabling seamless real-time two-player gameplay with Heroku hosting and Postman for API testing.

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.

Computer Science Tutor   **August 2021 - May 2022**
San Bernardino Buddhist Youth Center
- Coordinated and taught C# and the basic fundamentals of computer science to K-12 students in the community.

PROGRAMMING LANGUAGES

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