Allison H. Nguyen

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EDUCATION

University of California San Diego (UCSD)   **Expected June 2026**

B.S. in Computer Engineering, Minor in Design

Relevant Coursework
- Advanced Data Structures, Circuits and Systems, Computer Organization & Systems, Design & Analysis of Algorithm, Design of Everyday Things, Product Engineering, Software Engineering, Software Tools & Techniques Lab, Web Client Languages

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EXPERIENCE

UCSD Guided Engineering Apprenticeship in Research (GEAR Program), *San Diego, California*

Student Researcher   **October 2023 - June 2024**
- Research in Professor Edward Wang's Digital Health Lab to create innovative sensing methods to affordably and conveniently monitor an individual's health striving to extend clinical sensing beyond traditional medical settings
- Developing iOS App using Swift software and Xcode for medical professionals in ophthalmology
- Under guidance and mentorship under PhD student to learn collaborative research committed to innovation for clients and wrote a research proposal and presentation to showcase research in the Digital Health Lab

UCSD Mentor Collective, *San Diego, California*   **October 2023 - June 2024**
 Mentor
- Facilitated a positive and supportive environment by logging conversations, tracking mentees' personal and professional growth, and providing tailored advice on time management, work-life balance, and career planning
- Researched and shared valuable resources to help mentees thrive socially, mentally, and professionally by fostering connections, joining communities, and cultivating their career pathways

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PROJECTS

SoCal Social Web Application   **October 2024 - December 2024**
- Developed SoCal Social using React, which centralizes event discovery and organizational outreach, enabling students to find events and clubs to connect with while empowering clubs to expand their reach; available on GitHub: https://github.com/harry-lons/SoCalSocial
- Collaborated closely with a team to leading feature development, conduction code reviews, and task prioritization using Agile practices
- Implemented core features, including a search functionality for event discovery, a follow system for user engagement, and an interactive homepage tool tip for guided navigation
- Designed and developed intuitive web pages, focusing on user-friendly interfaces to enhance user experience

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SKILLS
- **Programming Languages:** Python, Java, JavaScript, HTML, CSS, C, Swift, Assembly, GDB, C++, React, Node.js, TypeScript
- **Software:** TinkerCad, Excel, MatLab, Xcode, Figma, Visual Studio Code
- **Languages:** English, Vietnamese, Spanish