

Havyn Nguyen

US Citizen • havynnguyen9@gmail.com • (714) 208-5805 • [linkedin.com/in/havynnguyen](https://www.linkedin.com/in/havynnguyen) • github.com/hhavynn

EDUCATION

University of California San Diego | La Jolla, CA

B.S, Major in Mathematics-Computer Science, Minor in Data Science

June 2027

Relevant Courses: Advanced Data Structures, Design & Analysis of Algorithm, ML: Learning Algorithms

Relevant Skills: Python, Java, C++, HTML/CSS, JavaScript, React.js, SQL, Node.js, Pandas, NumPy, Matplotlib

RELEVANT EXPERIENCE

Chiba Lab | Research Analyst | La Jolla, CA

May 2025 -

Present

- Building unobtrusive technology and analysis pipelines for developing a deeper understanding of biopsychosocial development in early childhood
- Collect data to better understand children in quasi-classroom environments and ultimately to help design better learning environments
- Recording, analyzing, and cleaning auditory and biometric data & examine a variety of topics, including: stress, attention, motivation, self-regulation, and social interaction in children ages 4-5

PROJECTS

Matcha Tracker - Web Application | <https://matcha-moment-tracker.vercel.app/>

June 2025

- **Solo full-stack development** of a modern web application for tracking matcha consumption and sharing matcha experiences with a community.
- Developed a responsive and intuitive user interface using **React, TypeScript, and TailwindCSS**, implementing modern UI components with **shadcn/ui** for a polished user experience
- Built a secure backend with **Supabase**, implementing **real-time data synchronization, user authentication, and Row Level Security** for data protection
- Engineered features including matcha consumption tracking, **calorie monitoring, rating system, and social features** (public sharing, likes, and following)
- Implemented data visualization using **Recharts** for tracking consumption patterns and statistics
- Created a robust state management system using **React Context** and **React Query** for efficient data fetching and caching

VSA at UCSD Website - Web Application | <https://vsaatucsd.com/>

June 2025

- **Solo full-stack development** of a dynamic platform for the UCSD Vietnamese Student Association, enabling member registration, event sign-ins, and point-based rewards
- Built a responsive, **mobile-first UI** in **React** and **TypeScript**, styled with **Tailwind CSS** and **shadcn/ui** components for consistency and accessibility
- Engineered a robust backend infrastructure using **Supabase**, implementing secure authentication, real-time data synchronization, and efficient database management
- Built a comprehensive routing system with **protected routes** and **dynamic page loading**, ensuring smooth navigation and optimal user experience
- Created a **scalable project** structure with organized components, services, and context management, following best practices for maintainability and code organization
- Implemented a Discord bot integration, extending the application's functionality to provide interactive features and automated responses through the Discord platform

TECHNICAL SKILLS

Programming Languages: Java, Python, C/C++, HTML/CSS, C#, Matlab, LaTeX

Frameworks: MongoDB, Express.js, React (React.js), Node (Node.js), Vite, Vercel, Supabase