

Paul Nguyen

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EDUCATION

San Diego State University
Bachelor of Science in Computer Science

San Diego, CA
Aug. 2024 – Present

APU International High School

Ho Chi Minh City, Vietnam
Aug. 2020 – May 2024

EXPERIENCE

Website Designer

Aug. 2024 – Dec. 2025

San Diego State University

San Diego, CA

- Designed and prototyped user interfaces, focusing on usability and modern UI/UX principles.
- Developed responsive frontend applications and websites for multiple clients and business use cases.

PROJECTS

Weave Our Tapestry | *React, Vite, TypeScript, PostgreSQL, FastAPI, Python*

Feb. 2026 – Present

- Led frontend development, designing and implementing UI/UX for a cultural storytelling platform.
- Collaborated on backend development, including FastAPI endpoints, authentication, and PostgreSQL integration.
- Implemented a custom Windows 98-themed interface using React, TypeScript, and Vite.
- Applied secure password handling practices using salting and peppering techniques.
- [GitHub](#) — [Website](#) — [API Docs](#)

Equinox | *Python, Discord API, PostgreSQL, discord.py*

June 2024 – Jan. 2026

- Developed a scalable multi-purpose Discord bot using Python and asynchronous programming.
- Integrated PostgreSQL for premium user management and JSON for local data storage.
- Utilized libraries such as PIL and Matplotlib for dynamic content generation.
- Deployed across 100+ servers, supporting over 45,000 users.
- [Bot](#) — [GitHub](#) — [Website](#) — [Docs](#)

Equinox Dashboard Website | *HTML, CSS, JavaScript, PostgreSQL, FastAPI, Python*

Oct. 2025 – Jan. 2026

- Independently developed a full-stack dashboard for managing Discord bot functionality.
- Built responsive frontend interfaces using HTML, CSS, and JavaScript.
- Implemented backend services with FastAPI and PostgreSQL for user and subscription management.
- Designed secure code redemption system utilizing SHA-256 hashing.
- [Website](#) — [GitHub](#)

Filler Assembly | *MIPS Assembly, Java*

Oct. 2025 – Nov. 2025

- Designed a custom extension to MIPS Assembly introducing filler syntax for enhanced readability.
- Developed using Java for integration with the MARS-LE simulator.
- Strengthened understanding of low-level programming and computer architecture.
- [GitHub](#)

Project Engine | *C++, Data Structures, Algorithms*

Oct. 2025 – Nov. 2025

- Developed a project management system utilizing advanced data structures and sorting algorithms.
- Implemented entirely in C++ to reinforce algorithmic problem-solving and efficiency.
- [GitHub](#)

Portfolio Website | *HTML, CSS, JavaScript*

Oct. 2025 – Jan. 2026

- Designed and developed a personal portfolio website showcasing projects and technical skills.
- [Website](#) — [GitHub](#)

Mock Fashion Website | *HTML, CSS, JavaScript*

Oct. 2025 – Jan. 2026

- Built a responsive mock e-commerce website to practice modern frontend development techniques.
- [Website](#) — [GitHub](#)

EXTRA CURRICULAR

Science Fair Participant

APU International High School

Aug. 2021 – Dec. 2021

Ho Chi Minh City, Vietnam

- Collaborated in a team-based research project analyzing the effects of music on domestic animals.
- Conducted research, compiled reports, performed data analysis, and contributed to final presentations.

Student Council

APU International High School

Dec. 2021 – Jul. 2024

Ho Chi Minh City, Vietnam

- Elected class representative and later promoted to class vice president.
- Represented student interests and contributed to planning and organizing school-wide events.

AWARDS / ACHIEVEMENTS

Expected Schoolwide Learning Results

APU International High School

Sep. 2023

Ho Chi Minh City, Vietnam

- Exhibit personal responsibility, respectful conduct, and good citizenship.
- Focus on collaboration, team building, and sportsmanship.

SDSU Academic Applications of Artificial Intelligence (AAAI) Micro-Credential

San Diego State University

Sep. 2025

San Diego, CA

- Completed a university-issued micro-credential focused on practical applications of generative AI.
- Developed skills in prompt engineering, AI-assisted workflows, and responsible/ethical AI usage.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (PostgreSQL), JavaScript/TypeScript, HTML/CSS, MIPS Assembly

Frameworks: React, Node.js, FastAPI

Developer Tools: Git, Google Cloud Platform, VS Code, Visual Studio, IntelliJ, Vite, Figma

Libraries: NumPy, Matplotlib