

Alicia Pham

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EDUCATION

University of California, San Diego

January 2027

Bachelor of Science | Focus in Mathematics-Computer Science | GPA: 3.00

San Diego, CA

- **Programming Coursework:** Advanced Data Structures, Computer Organization, Discrete Math & Graph Theory, Theory of Computation, Algorithms, Cryptography, Operating Systems, Web Development, Software Engineering

WORK EXPERIENCE

Lee's Sandwiches

Westminster, CA

Sandwich Maker

April 2022 - July 2022

- Reduced customer wait times during peak hours by coordinating sandwich assembly and optimizing preparation workflow.
- Improved customer satisfaction by accommodating order modifications and communicating directly with customers.

PROJECTS

Personal Portfolio

<https://aliciapham.pages.dev/>

Tech Stack: HTML, CSS, JS, Cloudflare Pages, GitHub, Google Apps Script, Google Sheets

- Automated project content updates by implementing DOM-based CRUD operations in JavaScript.
- Reduced manual data handling by creating a Google Apps Script pipeline that collects submissions into Google Sheets.
- Improved user experience and visual polish by implementing smooth page transitions and interactive UI animations.

Sanrio Games & Quizzes - Password Strength Checker

<https://ilayon.github.io/WIC-Team-10-Project/>

Tech Stack: HTML, CSS, JS, GitHub

- Improved password security feedback by integrating zxcvbn library to evaluate password strength in real time.
- Integrated a password-strength checker into a Games & Quizzes website in a 6-person team project.
- Coordinated development by leading meetings, assigning tasks, and tracking milestones.

State of Panic - Single Player Game

<https://github.com/CSE110-Coblenz/State-of-Panic-Game>

Tech Stack: Node.js, TypeScript, HTML/CSS, GitHub Workflows (CI/CD)

- Added puzzle gameplay mechanics by implementing a BFS-based minigame in TypeScript.
- Increased build reliability by implementing a GitHub Workflows CI pipeline with automated test cases.
- Streamlined team execution by organizing sprint planning, task allocation, and cross-functional collaboration.
- Produced technical documentation for CI workflows and development processes; demonstrated functionality via recorded gameplay demo: <https://www.youtube.com/watch?v=GCCjZyGqj8E&t=1s>

SKILLS

Programming Languages: Python, Java, TypeScript, Node.js, C, C++, Assembly, MATLAB, LaTeX

Web & Front-End: HTML, CSS, JavaScript

Tools & Platforms: Git/GitHub, Google Sheets, Excel, Google Docs, AWS