Emily Hawkins

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Education

California State University, Long Beach | Computer Science, B.S.   Expected May 2025
- In-major GPA: 3.959
- Undergraduate Coursework: Data Structures, Algorithms, Object-Oriented Application Development, Database Fundamentals, Intro to Software Engineering
- *Tau Beta Pi* Engineering Honor Society
- President's Honor List

Computing Talent Initiative (CTI)   Sep 2023 - Present
- Collaborated with fellow peers to apply professional and technical skills, learning, developing, and improving them through mock interviews.

Highlights

- 4+ years of coding.
- Wrote a blog post on experience with contributing to open source.
- Self-taught frontend development through personal projects (portfolio website and various games) and learning how to develop in React.
- Achieved third place in a statewide academic decathlon about Japanese language and culture.

Technical Experience

Enrollment Project (2023): A database management system storing data on student enrollments in majors and courses allowing users to easily edit and retrieve data. Python, NoSQL, MongoDB.

3n + 1 (Big Int) (2023): A small program that performs the calculations from the Collatz conjecture, modified to accept large integers without causing overflow. C++.

War Against Greed! (2021): A console-based card game that gives players the options to autoplay, play manually, and exit the game. Python.

Work Experience

freeCodeCamp SWE Micro-Internship | CTI/CodeDay Labs   Oct 2023 - Dec 2023
- Contributed to freeCodeCamp Classroom, an open source project aimed to provide planning and management capabilities for instructors via an interactive dashboard on freeCodeCamp's learning platform which serves 1M+ active users monthly.
- Refactored variable names in the **React** front-end dashboard page file to improve code readability and maintainability, ensuring a more intuitive and developer-friendly codebase (Pull Request).
- Ensured that the parsed mock data fetched through the **Node.js** mock server aligned with data stored in the newly refactored variables.

Skills

Programming Languages: Python (**I**ntermediate), C++ (I), SQL (I), NoSQL (**B**eginner), HTML (B), CSS (B), JavaScript (B)

Technologies: MongoDB (B), PostgreSQL (B)

Other: Problem Solving (I), Team Work (I), Communication (I)