

Jonathan Mai

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EDUCATION

Cal State University, Fullerton

Bachelor of Science in Computer Science, 2022 - 2024 (Expected)

GPA: 3.80

PROJECTS

PDF Page Merge/Separate App (Python)

- Developed a user-friendly PDF Splitter and Merger app using Python and Tkinter, streamlining operations for splitting specific pages and merging multiple PDF files.
- Implemented intuitive GUI with interactive prompts, ensuring error-free file selection and accurate page specifications.
- Enhanced user productivity by simplifying PDF manipulation processes and enhancing note-taking efficiency.

Wordle Clone (C++, Svelte)

- Completed a school project individually, focusing on the development of backend game logic in C++ in popular online game “Wordle.”
- Utilized the school-provided Svelte framework for the frontend, customizing it to align with project requirements.
- Enhanced game logic to mirror the authentic Wordle experience, accurately indicating not only correct positions (green) but also correctly guessed letters in incorrect positions (yellow).

Personal Website (HTML, CSS, JavaScript)

- Designed and constructed a personal website using vanilla HTML, CSS, and JavaScript to showcase personal projects, providing a comprehensive overview of technical skills and accomplishments.
- Developed a responsive layout, optimizing the website for various devices and screen sizes, guaranteeing a consistent experience on desktops, tablets, and mobile devices.
- Employed GitHub for robust version control, ensuring project continuity and enabling potential collaborative development.

CSU Club Communication Platform (React, Typescript, Tailwind CSS, Node.js, MySQL) *Ongoing

- Developing a dynamic and responsive CSU Club Connect web application using React, TypeScript, and Tailwind CSS.
- Designing intuitive user interfaces and dynamic components to enhance user engagement.
- Implementing responsive layouts and navigation features for seamless user experience across devices.

RELEVANT COURSEWORK

- Data Structures & Algorithms
- Python Programming
- Computer Organization & Assembly Language
- File Structure & Database Systems
- Operating System Concepts
- Foundations of Software Engineering

TECHNOLOGIES AND LANGUAGES

- C++, Python, JavaScript, Typescript, React, Node.js, MySQL, HTML, CSS, Tailwind CSS
- Git, npm, Linux, Windows, macOS