Aaron Wang

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EDUCATION

University of California, Riverside — Awards: Dean's Honors List, Chancellor's Honors List
Bachelor of Science in Computer Science — *September 2022 - January 2026*

PROJECTS

Portfolio Website | *TypeScript, Next.js, Tailwind CSS* [GitHub]
- Developed and deployed a full stack portfolio website using TypeScript and Tailwind to
- Implemented interactive and downloadable resume using TypeScript
- Developed reusable components (navBar, header) in Tailwind to style multiple site pages

CLI-Lock (Password Management Tool) | *C++* — UC Riverside
- Developed password management tool that stores account information for multiple domains
- Implements Crypto++ library to encrypt user information
- Constructed the password quality handler and password generation functions
- Implemented password generation that meets the quality standards of an acceptable strong password and derives words from a dictionary file.
- Increased speed of user generation of strong passwords by up to ~90% from creating a function to instantaneously generate passwords using a dictionary of 200+ words

TV Character Database Visualizer | *React.js* [GitHub]
- Built a visual database using React of characters appearing in Better Call Saul
- Fetched data via Axios from a dedicated API (https://breakingbadapi.com/) and developed a character list only pertaining to the Better Call Saul category
- Implemented and enhanced a card-based data visualisation generating character images, names, nicknames, and real actors
- Improved accuracy of the API by 9% by re-configuring the API to fetch correct character data in database.

Clipboard (Chrome Extension) | *JavaScript, HTML* [GitHub]
- Developed a chrome extension responsible for storing notes on a Google Chrome tab
- Designed for saving information onto browser cache and has the ability to be cleared completely off it
- Implemented re-expandable text pad in order to scale the quantity of user's text

Optimal Oranges Calculator | *JavaScript, HTML, CSS* [GitHub]
- Implemented a front-end application to calculate the optimal time to harvest oranges
- Designed the randomization of the estimated optimal timing of harvest
- Inputted optimal types of oranges to be planted once given the harvesting month

INVOLVEMENT

Association for Computing Machinery (ACM) | *Member* — September 2022 – Present
- Member of UCR's ACM club, focused on learning computing and expanding interest in computer science
- Participated in Cutie Hack 2022 and led a group of 4 in the creation of Optimal Oranges Calculator

TECHNICAL SKILLS

Languages: C/C++, JavaScript, Java, Python, Tailwind CSS, TypeScript
Developer Tools & Frameworks: Next.js, Unix, Git, Powershell
Libraries: React.js, Node.js, Axios, Crypto++
Relevant Coursework: Intermediate Data Structures and Algorithms, Logic Design, Discrete Structures, Software Construction, Linear Algebra