

Aaron Cheung

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Plano, TX • Open to relocating • Portfolio: aaroncheung.me

EDUCATION

B.S. Computer Science | University of Texas at Dallas

Jan 2023 – Dec 2025

A.S. | Collin College (Magna Cum Laude)

Aug 2022 – May 2025

EXPERIENCE

Capstone Full-Stack Developer – The Review Mediator

Plano, TX | Fall 2025

Collaborated with a team of 6 developers to build a full-stack review management platform that enables businesses to track and dispute Google and Yelp reviews from a centralized dashboard.

- **Responsive front-end:** Built UI with React, Tailwind CSS, and Flowbite, including a full-stack contact form connected through Express middleware to a Supabase backend.
- **Role-based routing:** Implemented dynamic page access using Clerk session tokens to restrict routes by user role.
- **Dual-layer access control:** Validated JWTs in Express middleware and enforced Supabase row-level security policies, so users can only access their own business's data.

PROJECTS

all projects live at aaroncheung.me

Personal Portfolio – aaroncheung.me

HTML | CSS | JavaScript

A terminal/TUI-style portfolio built from scratch with zero frameworks or dependencies, featuring JSON-driven content, a fuzzy-search command palette, full keyboard navigation, and a persisted theming system (dark/light, color palettes, CRT effect).

Lofi Generator

JavaScript | Web Audio API | Procedural Audio

A procedural lofi beat generator with no pre-recorded track: chords, melody, and drums generated live by a functional-harmony engine over the raw Web Audio API, with four independently-layered ambience beds.

Bitboard Game AI – Jumpy

C++ | JavaScript | Heuristic Evaluation

A game AI for a 1x8 strategy board game using bitboards, with the full game state packed into a single 16-bit integer, iterative deepening search, and a live “watch it think” visualization.

Cursor Activity Heatmap

JavaScript | Node.js | Python

An end-to-end system tracking cursor movement, pauses, and clicks as a real-time heatmap, using additive intensity on a hidden canvas remapped through a color gradient.

ASCII Art Converter

JavaScript | HTML Canvas | Client-side

A browser-based tool converting any PNG or JPG into ASCII art entirely client-side, sampling each pixel's brightness and alpha and mapping it to a character across five selectable palettes (density ramp, block fills, thin verticals, circular, binary).

Relational Database System (*15 queries, runnable live*)

MySQL | Schema Design | PHP

A relational database modeling product manufacturing, part procurement, and workforce data, with a PHP API running joins, aggregations, and inserts/deletes live from the browser.

Twitter / X Artwork Automation

Python | Selenium | OpenAI API | HTML

A queue-driven bot that automates daily artwork posting on Twitter / X, deciding between new pieces and resurfacing older ones via full browser automation.

SKILLS

Languages: JavaScript, HTML, CSS, TypeScript, Python, SQL, C++

Frameworks & Libraries: React, Node.js, Express, Tailwind CSS

Tools & Platforms: Git, Supabase, Clerk, MySQL, Selenium, Jira

Design: UI/UX Design, Krita, Figma