

# Jason Cheung

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## EDUCATION

### University of California, Santa Cruz

Expected December 2026

B.S. Computer Science · Crown College

GPA 3.98 · Dean's Honors, 8 consecutive quarters

**Coursework:** Computer Systems Design, Advanced Computer Networks + Lab, Computer Networks, Computer Architecture, Data Structures & Algorithms, Analysis of Algorithms, Software Engineering, Computer Graphics, Functional Programming, Probability Theory, Machine Learning (in progress)

## EXPERIENCE

### DIYGeeks

Morgan Hill, CA · Hybrid

#### Owner

Jun 2022 – Present

- Migrated the store's WordPress/WooCommerce site from shared hosting to self-managed Docker on OpenLiteSpeed behind Cloudflare, with a web application firewall and daily backups to two off-site destinations.
- Diagnosed production failures in a third-party shipping plugin and shipped must-use plugin fixes for a checkout fatal error and a broken OAuth token callback.
- Host and administer client websites on the same platform, including WordPress sites and a Canvas LMS instance with a custom media transcoder for inline video playback.

### E-Commerce Business Owner

Jul 2020 – Present

- Founded and run an online retail business selling through eBay and a WooCommerce storefront, handling listings, checkout, and shipping integrations.
- Provide 3D printing for client jobs on three FDM printers and a 16K resin printer.

### Protech Hong Kong

Wan Chai, Hong Kong

#### Information Technology Specialist

Jan – Jun 2017 · May – Aug 2018

- Provided on-site computer assistance and technical support, troubleshooting hardware and software issues.

## PROJECTS

### eCommerce Inventory Manager IN PROGRESS

TypeScript · Next.js · PostgreSQL · Docker

- Self-hosted eBay–WooCommerce stock sync built on an append-only ledger as the single source of truth; channels receive absolute quantities, so a retried write is idempotent and can never oversell.
- Correctness enforced in PostgreSQL with composite foreign keys, CHECK constraints, and append-only triggers; anything that spends money or changes a public listing needs a person to confirm the exact values shown.

### StudyPet+ · studypetplus.app

TypeScript · Next.js · Prisma · PostgreSQL

- AI study planner built with a five-person team for CSE 115A: generates flashcards and quizzes from notes and PDFs, tracks weak topics, imports Canvas/ICS calendars, and publishes a subscribable feed.
- Passwordless magic-link sign-in and AI generation that falls back across providers; deployed in Docker behind Cloudflare and Nginx.

### SecDash for Synology

Python · JavaScript · SQLite

- Security dashboard package for Synology DSM 7: blocked-IP map, sign-in analysis across DSM, SSH, SMB, and FTP, reverse-proxy probe detection, and WHOIS-based abuse-report drafts.
- Privilege-separated design: a minimal root collector only copies logs, and an unprivileged, dependency-free Python daemon parses, de-duplicates, and geolocates them.

## SKILLS

**Languages:** TypeScript, JavaScript, Python, SQL, Bash, Java, C/C++

**Frameworks & Data:** Next.js, React, Node.js, Prisma, PostgreSQL, SQLite, WebGL, three.js

**Infrastructure:** Docker, Docker Compose, Linux, Nginx, OpenLiteSpeed, Cloudflare, Git, GitHub Actions, WordPress/WooCommerce