David Chew

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EDUCATION

University of California San Diego | La Jolla, CA
Bachelor of Science in Data Science, Minor in Economics **GPA: 3.9** | *Sep. 2023 - Present*
- Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Linear Algebra, Multi-variable Calculus

TECHNICAL SKILLS

Languages: Javascript, Typescript, Python, Java, Go, SQL, HTML/CSS
Tools: Docker, AWS

EXPERIENCE

Resale Business Owner | Apr. 2020 – Jun. 2023
Croco Labs LLC | *Marlton, NJ*
- Sourced limited-edition collectibles and liquidation items from various retailers and vendors.
- Marketed, communicated, and negotiated with customers globally.
- Handled logistics for shipping, local meetups, and bulk warehouse shipments.
- Managed bookkeeping, inventory updates, and profit & loss analysis.

Software Development Services | Apr. 2023 – Present
Croco Labs LLC | *Marlton, NJ*
- Developed licensed software for 21 clients
- Tailoring custom solutions for individual clients
- Managed hosting, servers, and databases.
- Provided customer support

Independent Part-Time IT Consultant | Nov 2017 – Present
Dental Office | *Marlton, NJ*
- Configured and upgraded network infrastructure for over 15 office computers and printers.
- Maintained office software and security systems.

Cashier & Waiter | Summer 2019 – Present
Atsion Lake Recreation Center | *Shamong, NJ*
- Managed restocking, food and drink preparation, and sales.

PROJECTS

Scraper | *Typescript, PostgreSQL, Docker* | Jul. 2021 – Present
- Developed and deployed a scraper tool that automated the extraction of purchase and sale data, **saving clients an average of 5 hours per week** on manual data entry.
- Provided clients with **real-time, structured data**, enabling faster and more informed business decisions.
- Collaborated with clients to identify pain points and implement improvements, **enhancing tool efficiency** and increasing user satisfaction.
- Deployed the application using **Docker**, **AWS ECR**, and **Lightsail**
- Addressed critical bugs proactively, minimizing downtime.

NBA Play Searcher | *AWS AppSync, GraphQL, Redis, Postgres, Nuxt/Vue* | Sep 2024 – Present
- Created a full-stack app to query NBA video footage from over **615,000** plays, with specific filters such as shot location, distance, quarter time, and more
- Retrieved the data via the NBA API and applied filters using **pandas**
- Utilized **Vercel, AWS Lambda, AppSync** to deploy and scale app

ADDITIONAL

Languages: English (Native), Spanish (Limited Working Proficiency)
Interests: Game Development, 3D Modeling