Guy Cohen

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Education

Bachelor of Science – **Computer Science**   **Expected Graduation: March 2025**
Oregon State University – Corvallis, OR, United States

Bachelor of Commerce – **Finance with Distinction** | Minor: Economics   **Graduation Date: Apr 2023**
Toronto Metropolitan University – Toronto, ON, Canada

Skills

Programming Languages: JavaScript, Python, MySQL, HTML, CSS, Git

Frameworks and Libraries: ReactJS, NodeJS, ExpressJS, Bootstrap, Tailwind

Technologies: GitHub, Figma, VSCode, Tableau, PowerBI

Experience

Analog Designs – Repo Link   **May 2023 – Present**
Founder
- Launched a responsive and dynamic, company website using React and vanilla CSS, effectively articulating the value proposition and offering a user-friendly dashboard that currently manages the needs of 8 users.
- Engineered a scalable MVC API in Node, using passport and MySQL for robust authentication and data fetching, which automated the CRUD functionality for user orders, cutting manual communication time by 80%.
- Innovated a modular design system using React and tailwind that allows for instant swapping of themes, assets, and typography based on user preferences, streamlining the development process.
- Acquired comprehensive knowledge in full-stack architecture, scalable, yet responsive CSS modules, user authentication via PassportJS, and database security measures like SQL query templates and password encryption.
- Drove $12K in lifetime revenue across 12 projects.

SNKRS Solutions – **Repo Link**   **Apr 2020 – Sept 2022**
Founder
- Deployed specialized e-commerce web scrapers and automated checkout scripts using Python, Requests, and Selenium.
- Devised an Excel-based inventory dashboard that dynamically organizes $40K in average inventory and sales, allowing real-time brand and date-specific insights for data-driven decision-making.
- Amplified brand visibility and generated sales leads through multi-channel social media marketing, establishing profitable partnerships with consignment stores across the city.
- Achieved $350K in lifetime revenue over the course of the venture.

Projects

Toronto Metropolitan University Algorithmic Trading Competition – Repo Link   **Jan 2023 - Apr 2023**
- Developed and executed real-time trading strategies with a Python trading bot based on strategies provided by a technical partner.
- Integrated OpenAI API for real-time market sentiment analysis, specifically focusing on EIA oil news headlines to inform trading decisions.
- Employed regex-based keyword filtering and combined quantitative guards with sentiment data to automate trade executions, enhancing strategy effectiveness.
- Outperformed 38 participants across three rounds, achieving a P/L differential approximately $100K greater than the mean.

Analyst – Student Managed Investment Fund   **May 2021 – Aug 2021**
- Managed a $500K portfolio that actively communicated with a 20-student senate, most notably leading a Salesforce pitch that received $40K in funding and directing a follow up report on Microsoft that further amplified its bull case.