Guy Cohen

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Education

Bachelor of Science – **Computer Science**   **Expected Graduation: Dec 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, R, VBA

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

Technologies: GitHub, Figma, VSCode, Tableau, PowerBI, Excel

Experience

Analog Designs – Repo Link   **June 2023 – Present**
Founder
- Engineered and deployed a full-stack web app in React and Node to create online presences for mortgage brokers' clients prior to submitting applications to underwriters. This initiative amplified the legitimacy of the applicants and led to 14 projects deployed to date.
- Developed a scalable REST API that automated CRUD operations, reducing manual communication and error rate by 80%.
- Established a feedback loop with users to continuously refine platform features, demonstrating a commitment to customer-centric solutions.
- Strategically acquired domain names from marketplaces to instill trust, mitigating underwriter concerns about recent WHOIS registrations.

SNKRS Solutions – **Repo Link**   **Apr 2020 – Sept 2022**
Founder
- Built and deployed specialized web scrapers using Python and Selenium, to develop a profitable retail arbitrage strategy.
- Engineered multiple automation scripts to improve efficiency on repetitive tasks, ex, account generators.
- Managed inventory using a dynamic Excel-based dashboard for real-time, data-driven decision-making.
- Leveraged multi-channel social media marketing to amplify brand visibility, securing profitable partnerships with consignment stores and remaining costumer-obsessed by communicating about current trends.

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**
- Worked as part of a 20-student senate to manage a $500K portfolio funded by the university making both stock pitches and critiques on a weekly basis with the intention of generating a reasonable return.
- Spearheaded a pitch on Salesforce that received $40K in funding by actively communicating the underlying investment thesis.