Guy Cohen

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Education

Bachelor of Science – **Computer Science**   **Expected Graduation: Mar 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   GPA: 3.51/4.33

Skills

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

Frameworks and Libraries: React.js, Node.js, Express.js, Bootstrap, Tailwind, Selenium, Unittest, Chart.js

Tools and Technologies: AWS (EC2, Route 53, NGINX), Git, GitHub, Postman, Vite, Figma, Power BI, Tableau

Experience

Analog Designs – Repo Link   **June 2023 – Present**
Freelance
- Built 6 websites for mortgage brokers and their clients by promoting the service on a full stack web app built in React.js and Node.js, deployed on AWS.
- Implemented CRUD functionality for users through a dynamic dashboard to display both active and previous orders using Passport.js for authentication.
- Optimized the user experience by populating the dashboard with user specific data that's stored in a MySQL database.

SNKRS Solutions – Repo Link   **Apr 2020 – Sep 2022**
Founder
- Built a suite of Python scrapers utilizing Requests and Selenium, to develop a profitable retail arbitrage strategy.
- Parsed JSON data to restructure it in the form of a readable webhook in real time.
- Achieved $350K in revenue through communicating with both B2B and B2C stakeholders about current trends.

Projects & Hackathons

Outbreak Navigator – Google Hacks x OSU Hackathon – Repo Link   **Nov 2023**
- Developed a crowdsourced pandemic survival app to locate essential places and avoid danger zones using multiple Google Maps APIs and over 100 000 GeoJSON data points of worldwide population density data.
- Designed and built the frontend of the app in React.js, Bootstrap and Material UI, alongside multiple Google Maps packages to render several maps and their associated datapoints.
- Engineered an MVC Node.js backend that integrated the Google Places, Google Maps, and Google Geocoding APIs for location filtering and managing crowdsourcing data.

Class Circles – OSU Hackathon – Repo Link   **Oct 2023**
- Developed a full stack web app using React.js, Node.js and MongoDB that helps university students find student groups based on their classes, hobbies, and interests.
- Led the frontend development team from initial Figma sketch to deployment of a responsive web app using React.js, framer-motion, Chart.js, and Bootstrap.
- Managed the deployment of our frontend on Netlify and configuration of the AWS EC2 instance we used to deploy our backend and MongoDB.

TMU Algorithmic Trading Competition – Repo Link   **Jan 2023 – Apr 2023**
- Won 1st place out of 38 participants by engineering a Python trading bot based on data from the RIT API.
- Implemented the OpenAI API for real-time market sentiment analysis, specifically focusing on EIA oil releases.
- Employed regex-based keyword filtering and combined quantitative guards with sentiment data to automate trade executions, enhancing strategy effectiveness.