Jason Li

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EDUCATION

Western University   London, ON
BSc, Honours Specialization in Computer Science   *Expected May 2024*
- **GPA:** 3.9/4.0 (90%) | **Relevant Courses:** Data Structures & Algorithms, Linear Algebra I, Calculus I
- **Honors:** Advanced Entry Opportunity to Ivey Business School (2022), Western Scholarship of Distinction ($2,500)

EXPERIENCE

Software Engineer Intern | Photon Commerce   Remote
Technologies: Python (pandas, NumPy, RegEx), Google Cloud Platform   *Feb. 2021 – Jun. 2021*
- Optimized company's AI data collection models by creating Python Regular Expression templates and designed algorithms to compute the accuracy of parsed invoices to establish a ground-truth data-set of 100+ invoices
- Classified purchase invoices by leveraging APIs and utilized Google Cloud's Natural Language API to perform sentiment analysis, reducing classification loading times by 93% using asynchronous HTTP requests
- Developed 8 solutions to extract and analyze bank statement transactions through integrating Optical Character Recognition technology, generating insights on competitors in the financial statement processing space
- Validated product spreadsheets containing 500,000+ data entries by programming scripts with pandas and NumPy

Front-end Web Developer | SET.Hacks()   Ottawa, ON
Technologies: TypeScript (React, Next.js, Styled-Components), Vercel, Git   *Jun. 2021 – Aug. 2021*
- Directed a website re-branding and marketing campaign to establish a beginner-friendly Hackathon experience, achieving an average satisfaction score of 4.4/5.0 across participants, with 70%+ being first-time hackers
- Collaborated with a cross-functional team of 6 to develop and maintain sethacks.ca by implementing Figma design wire-frames into reusable front-end components, improving event attendance by 23% from the previous year
- Integrated Vercel's CI/CD platform to improve testing reliability and reduce website downtime during revisions

PROJECTS

Shopperz 🐙 | *React, Redux, Node.js, Express, MongoDB*   Aug. 2021
- Engineered a full-stack MERN application for users to purchase technology through a mock e-commerce store
- Integrated the Stripe API to accept payments and enable transactions between buyers and sellers
- Implemented a user authentication REST API with JSON Web Tokens using Node.js and MongoDB

ENergize 🔗 🐙 | *React, Firebase, Bootstrap, Python (OpenAI API)*   Jun. 2021
- Developed an application with React and Firebase for users to create recipes and assess its environmental impact
- Analyzed ingredients by sustainability and consumption benefits with OpenAI's GPT-3 model to score recipes
- Scraped and summarized relevant articles for each ingredient using Beautiful Soup and Selenium WebDriver

CaseMap 🔗 🐙 | *React, Material-UI, Chart.js, Leaflet*   Jan. 2021
- Created a web application which displays global COVID-19 data effortlessly for users through an interactive map
- Developed charts with Chart.js and React Hooks to dynamically visualize trends within historical country data

LEADERSHIP ACTIVITIES

Product Manager | Better Lives   May. 2021 – Present
- Spearheaded the development of an Android application to facilitate donations between citizens and the homeless
- Designed application prototypes and integrated features based on continuous feedback from stakeholder meetings

Pro-Bono Consultant | MakerBars   Oct. 2020 – Jan. 2021
- Conducted research on historical seed funding rounds for food companies to source 60+ leads of potential investors
- Pitched the top 10 funds to approach based on a qualitative assessment of impact investing and company branding

TECHNICAL SKILLS

Languages: Python, JavaScript/TypeScript, HTML/CSS, GraphQL, Java, SQL
Framework & Libraries: React, Redux, Node.js, Express, Gatsby, Next.js, Bootstrap, Flask, pandas, NumPy
Data & Tools: Firebase, MongoDB, PostgreSQL, Google Cloud Platform, Git, Android Studio
Design: Framer Motion, Adobe Photoshop, Adobe Illustrator, Figma