

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
- **Awards:** Advanced Entry Opportunity to Ivey Business School (2022), Western Scholarship of Distinction (\$2,500)

EXPERIENCE

Software Engineer Intern | Photon Commerce

Feb. 2021 – Jun. 2021

Technologies: Python (pandas, NumPy, RegEx, Requests), Google Cloud Platform

Remote

- Optimized Photon'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 bank statement transactions through integrating Optical Character Recognition technology, generating competitive analysis insights of various financial statement processing companies
- Validated product spreadsheets containing 500,000+ data entries by programming scripts with pandas and NumPy

Front-end Web Developer | SET.Hacks()

Jun. 2021 – Aug. 2021

Technologies: TypeScript, React, Next.js, Styled-Components, Vercel, Git, Figma

Ottawa, ON

- Established a beginner-friendly Hackathon experience for high school students through website branding and marketing, improving event attendance by 23% from 2020 - 2021, with 70%+ participating as first-time Hackers
- Collaborated with a cross-functional team of 6 to develop and maintain sethacks.ca by converting Figma design wire-frames into reusable front-end components, achieving an average satisfaction score of 4.35/5.00 by Hackers
- Integrated Vercel's CI/CD platform to reduce website downtime during revisions and improve testing reliability

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 BeautifulSoup and Selenium WebDriver

CaseMap | React, Material-UI, Chart.js, Leaflet

Jan. 2021

- Created a web application which displays current COVID-19 data globally, through an interactive choropleth map
- Developed dynamic charts using Chart.js and React Hooks to 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