Jason Li

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EDUCATION

Western University   London, ON

BSc, Honours Specialization in Computer Science   *Sep. 2020 – May 2024*

- **GPA:** 3.9/4.0 | **Relevant Courses:** Data Structures & Algorithms, Linear Algebra I, Calculus I, Economics
- **Awards:** Advanced Entry Opportunity to Ivey Business School (2022), Western Scholarship of Distinction ($2,500)

EXPERIENCE

Front-end Web Developer   Jun. 2021 – Aug. 2021

SET.Hacks()   *Ottawa, ON*

- Collaborated with a cross-functional team of 6 to re-brand www.sethacks.ca by converting Figma design wire-frames into reusable front-end components with TypeScript, React, Next.js, and Styled-Components
- Established a beginner-friendly Hackathon experience for high school students through website branding and marketing, improving event attendance by 17% from 2020 - 2021 with 70%+ participating as first-time Hackers
- Integrated Vercel's CI/CD platform to reduce website downtime during revisions and improve testing reliability
- Maintained www.sethacks.ca regularly to reflect on-going demands from Hackathon participants and sponsors

Software Engineer Intern   Feb. 2021 – Jun. 2021

Photon Commerce   *Remote*

- Improved 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 for extracting 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 using pandas and NumPy

PROJECTS

Shopperz ⌨ | *React, Redux, Node.js, Express, MongoDB*   Aug. 2021

- Created a full-stack MERN application for users to purchase cellphones 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

Jason Li ↗ ⌨ | *Gatsby, React, GraphQL, Strapi, Bootstrap, Framer Motion*   Jul. 2021

- Developed a personal website with Strapi serving as the headless CMS back-end and Gatsby as the front-end
- Utilized Framer Motion and implemented custom React Hooks to handle website animations and responsiveness

ENergize ↗ ⌨ | *React, Firebase, Bootstrap, Python, OpenAI API*   Jun. 2021

- Engineered a full-stack web application using React and Firebase for users to create recipes and assess its impact
- Rated recipe ingredients by environmental sustainability and consumption benefits using OpenAI's GPT-3 model
- Scraped and summarized relevant articles for each ingredient using Beautiful Soup and Selenium WebDriver
- Leveraged Firebase for user authentication and storing user data within Cloud Storage and Cloud Firestore

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

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, Visual Studio, Android Studio, Eclipse
Design: Framer Motion, Adobe Photoshop, Adobe Illustrator, Figma