JACQUELINE LI

Bridging passion with code, let's turn ideas into realities.

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EXPERIENCE

Software Developer
Xero

📅 January 2020 – April 2020

- Built, maintained, and debugged **1100+** document fetching/scraping microservices using **Javascript, HTTP, and networking** which **increased their success rate by 68%** and achieved **2-year high**
- Improved internal API by implementing new endpoints, **SQL** queries, and **PostgreSQL** migrations which **reduced schema costs by 7%** and **scaled infrastructure**; complete with Chai and Mocha **unit and integration testing**
- **Analyzed team OKRs** and **initiated the development** of **bash scripts** to automate the legacy retrieval process of encrypted credentials which **improved team working velocity**

Web Developer
Ontario Institute for Cancer Research

📅 May 2019 – August 2019

- Developed the front-end of **6 responsive Jekyll websites** using **HTML, Sass, Liquid, and Bootstrap** which attracted over **$50,000 in funding** toward cancer research
- Created new internal tools for project management using **React.JS** which **reduced data entry times by double** as shown by **KPIs velocity chart**
- Built an internal Jira ticketing tool using **Node.JS, MongoDB, and Jira's REST API**, **saving over $30,000/year in labour costs**

Chair
University of Waterloo - Women in Computer Science

📅 January 2019 – PRESENT

- Organized **$40,000 worth of university-wide events** by establishing team goals, metrics, and road-maps in an **Agile workflow** which **reduced project costs by 20%**
- Conducted **SWOT analysis** to launch a **4-month mentorship program** to help students start their side-projects which **attracted 42% more student engagement** than previous events

PROJECTS

🔗 Food Pact
JavaScript, Express.JS, Node.JS, MongoDB, Google Cloud API

- Built a webapp that **scrapes information from uploaded pictures of receipts** and suggests more eco-friendly alternatives

🔗 Watopoly
C++, XLib Graphics

- Developed a command line version game of Monopoly by using **abstract data structures**, **design patterns**, and **object-oriented programming** principles

EDUCATION

Bachelors of Computer Science
University of Waterloo

📅 2018 - 2023

Business Management minor

President's Scholarship of Distinction

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Algorithms Specialization
Stanford | Coursera

📅 2019-2020

SKILLS

Languages: C++, C, Javascript, Python, Swift, HTML/CSS, Scheme

Technologies: React.JS, Node.JS, SQL, Bash, REST APIs, jQuery

AWARDS

LionBud - Top 3 / 200+ teams
RBC Hackathon

- Developed a financial literacy app that syncs user cashflow from RBC'S REST API with the **gamification of a lion avatar** using **React**

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Top 10 Designs / 15,000+ teams
Adobe x Airbnb Design Challenge

- **Created an Adobe XD prototype of a complete app design** that allows Airbnb users to share their experiences and generate revenue toward mission trips.

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Leadership Award
York Catholic Presidents Council

- Awarded for leading a **city-wide fundraiser that donated over $25,000 to children in poverty**

INTERESTS

Product management | Design | Music