

# JACQUELINE LI

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

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## EXPERIENCE

### Software Developer

Xero - Hubdoc

January 2020 – April 2020

- Built, maintained, and debugged 800+ microservices to fetch and scrape financial documents from banks and vendors with **over 10,000+ users using NodeJS**; achieved 2-year high with increased overall success rate by 68%
- Improved internal API by implementing new endpoints, **SQL** queries, and **PostgreSQL** migrations which **reduced schema costs by 7%**; complete with Chai and Mocha **unit and integration testing**
- Initiated and developed **bash scripts** to automate the legacy retrieval process of encrypted credentials which **improved team working velocity** on such tickets

### Web Developer

Ontario Institute of Cancer Research

May 2019 – August 2019

- Developed **6 responsive Jekyll websites** to present cancer research to the public using **HTML, Sass, Liquid, and Bootstrap**
- Created new internal tools using **React.JS** which **reduced data entry times by an average 220%** based on sprint review metrics
- Built an internal Jira ticketing tool using **Java, MongoDB, and Jira's REST API**, saving over \$30000/year in labour costs
- Conducted **project scoping/ SWOT analysis** with product managers to discuss baseline goals, design features, and plan future sprints

### Project Coordinator (Big CS-ter Director)

University of Waterloo - Women in Computer Science

January 2019 – PRESENT

- Organized university-wide events with sponsors to **increase student engagement** while **reducing project costs by 20%**
- Launched a project **mentor-ship program** to help students start their side-projects and gain more programming experience, which received a **term-high of positive feedback**

## PROJECTS

### Food Pact

JavaScript, Express, Node.js, MongoDB, Google Cloud API

- Built a webapp that **scrapes information from uploaded pictures of receipts** and suggests more eco-friendly alternatives to incentivize users to reduce their carbon footprint

### Fact Check

Python, Node.js, Microsoft Azure API, Youtube API

- Developed a webapp that **fetches related articles to a youtube video** based on speech and subtitles to help users discern fake news

## SKILLS

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

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

## EDUCATION

### Bachelors of Honours Computer Science

University of Waterloo

2018 - 2022

- President's Scholarship of Distinction

### Machine Learning

Stanford | Coursera

2019 - 2020

- Logistic regression, Artificial neural networks, ML algorithms

## AWARDS

### Top 10 Designs / 15000+ 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 towards mission trips.

### LionBud - 3<sup>rd</sup> / 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

### Ontario Junior Citizen

Newspaper article publication

- Organized a **city-wide fundraiser** that **donated over \$25000** to children in poverty

## INTERESTS

Product Management | Design | Art