Jodie Xiang

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Skills

- **Languages:** C/C++, Python, Javascript, HTML/CSS, Java, SQL, Bash
- **Frameworks/Tools:** React/Redux, Node.js, Express.js, Bootstrap, Django, Flask, Git, Android Studio

Work Experience

Software Developer Intern   **Toronto, Ontario (Remote)**
OANDA - Python, Flask, React/Redux, Typescript, Docker   *Jan 2021 – Apr 2021*
- Spearheaded the development of a **Flask microservice** for automatic electronic identity (EID) verification, integrating with a third-party EID provider
  - Updated existing monolithic registration service to integrate with new Flask microservice, reducing code coupling
  - Expected to increase EID pass rates by 20+% and improve customer onboarding experience
- Developed components in **React** and **Formik** for a new streamlined registration flow, aimed to reduce registration time and increase conversion rates for global customer base by 51%
- Implemented a proof of concept for a chatbot in **Dialogflow** that guides users through client registration; winner at company hackathon, project selected to go forward by global leadership team

Software Developer Intern   **Mississauga, Ontario (Remote)**
PointClickCare - Java, Spring Boot, Vue.js, MySQL, Cypress, Kotlin   *May 2020 – Aug 2020*
- Architected and led the development of a customer-facing tool in **Java** and **Vue.js** that enables customers to reconcile partial document matches, increasing the number of results returned in customer searches by 10%
- Researched and implemented a **REST API** for existing Java backend service to integrate with **Azure Blob Storage**
- Developed a solution to resolve an error case where customer details were outdated or missing, speeding up the onboarding process for 20% of the customer base
- Authored queries in **KQL** for visualization of product metrics for business analysis

Quality Assurance Analyst Intern   **Waterloo, Ontario**
DigitalEd - Python, Jira   *May 2019 – Aug 2019*
- Led and collaborated with a team of five to create a **Python script** for test case prioritization and a test case data visualization dashboard for the QA Department, improving the runtime and efficiency of the automated test suite
- Authored, organized, and optimized 50+ test cases to maximize success of manual software testing

Projects

Cartpool
React Native, Django, Django REST Framework, Redux, PostgreSQL, PostGIS
- Designed and implemented a community-driven mobile delivery app connecting residents with local businesses

Twiddit
Node.js, Express.js, MongoDB, Mongoose, React, Redux
- Designed and developed a social networking and micro-blogging web application where users can post, like, and reshare messages within user-created communities; inspired by Twitter and Reddit

Marketeer
React, Node.js, Express.js, Puppeteer, Firebase, Dropbase   *Team Project*
- Created a dashboard application that utilizes web scraping to provide competitor analysis for small online businesses
- Implemented the backend communication with Dropbase API for data processing and worked on Puppeteer web scraper

Education

Candidate for Bachelor of Computer Science   **University of Waterloo**
Waterloo, Ontario   *Sept 2018 – Apr 2023*
- Major GPA: 3.9/4.0, President's Scholarship of Distinction, Honour Roll
- **Relevant Courses:** Algorithms, Data Structures and Data Management, Object-Oriented Software Development, Operating Systems, Foundations of Sequential Programs, User Interfaces