

Jodie Xiang

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Work Experience

- **Software Developer Intern** **Toronto, Ontario (Remote)**
OANDA *Jan 2021 – Apr 2021*
 - Spearheaded the development of a new Flask microservice for automatic electronic identity (EID) verification, leading the integration with a new third-party EID provider
 - Updated existing monolithic registration service to integrate with new EID microservice, reducing code coupling
 - Expected to increase EID pass rates by 20+% and improve customer onboarding experience
 - Developed new 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 that guides users through client registration in order to improve application completion rates - winner at company hackathon; project selected to go forward by global leadership team
- **Software Developer Intern** **Mississauga, Ontario (Remote)**
PointClickCare *May 2020 – Aug 2020*
 - Architected and led the development of a solution that enables health care providers to reconcile partial patient document matches, improving the accuracy of patient data that health care providers have
 - Researched and implemented an API for the 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 - Developed a solution to resolve an error case where customer details were outdated or missing, speeding up the onboarding process for 20% of the customer base
- **Quality Assurance Analyst Intern** **Waterloo, Ontario**
DigitalEd *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

- **Twiddit**
Node.js, Express, MongoDB, React, Redux
 - A full-stack 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, Puppeteer, Firebase (Team Project)
 - A dashboard application that utilizes web scraping to provide competitor analysis for small online businesses
- **Biquadris**
C++, X Window System (Team Project)
 - A recreation of Tetris with two-player gameplay and special actions, utilizing strong OOP principles and design patterns

Education

- **Candidate for Bachelor of Computer Science** **University of Waterloo**
Waterloo, Ontario *Sept 2018 – Apr 2023 (Expected)*
 - 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, Elementary Algorithm Design and Abstraction, User Interfaces

Skills

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