Jodie Xiang

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Work Experience

Software Developer Intern   **Toronto, Ontario (Remote)**
OANDA   *Jan 2021 – April 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
  - Released to production; expected to improve customer onboarding experience and EID pass rates by 20%
- 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 Engineer Intern   **Mississauga, Ontario (Remote)**
PointClickCare   *May 2020 – August 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 care providers have
- Researched and implemented the required APIs 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- Developed a solution to resolve an error case where customer details were outdated or missing, speeding up the onboarding process for 20% of the customer base

Quality Assurance Analyst Intern   **Waterloo, Ontario**
DigitalEd   *May 2019 – August 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   *2018 – 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++, Java, Javascript, SQL, Python
- **Technologies/Frameworks:** React, Node.js, REST APIs, HTML/CSS, Redux, Bootstrap, Django, Flask