Jody Zhou

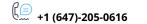jody.zhou@uwaterloo.ca   +1 (647)-205-0616   **Github**   **LinkedIn**   **Personal Website**

EXPERIENCE

Neo Financial Technologies — *Software Test Engineer Co-op*

MAY 2021 - AUG 2021

- Saved at least 40 hours of manual work for each environment reset by creating a CLI tool used by the QA team to automate tedious tasks such as merchant creation.
- Contributed to 18.8% of the total bugs found by the QA team through exploratory testing on Mobile and Web applications.
- Worked closely with Developers, Product Managers, and Product Designers to pinpoint areas of the application where high severity bugs will surface.
- Lead and participated in interviews to hire excellent candidates and served as a mentor for new hires.
- Found and fixed multiple bugs in production (Typescript & React).
- Performed API testing (GraphQL) with Insomnia, security testing with Burp Suite, and accessibility testing with VoiceOver.

PROJECTS

Markdown Note — *Desktop Application*

- Maintainer of this open source project started by 4 students in the University of Waterloo.
- An open-sourced markdown editor that supports WYSIWYG and traditional split view editing.
- Designed and created custom Event Emitter to improve communications between components
- Implemented design patterns such as Dependency Injection, Singleton Pattern, and Observer Pattern.
- Built with Typescript, HTML, CSS, Electron. (⊘ **Markdown Note**)

The Game of ChamberCrawler3000 — *Game*

- Collaborated with a team of 3 to create a terminal based dungeon adventure game.
- Designed and implemented the Floor class where the logic of the whole game is based upon.
- Utilized design patterns such as Decorator and Observer Pattern, and followed best practices of object-oriented programming.
- Built with C++. (⊘ **CC3K**)

Cryptodash — *Web Application*

- Showcases real time overview of the Global Cryptocurrency markets.
- Demystifying Top 50 Cryptocurrencies and their usage.
- Provided value by helping investors and traders to make better decisions in order to maximize their potential profit.
- Built with Javascript, React, HTML, CSS, Netlify, Ant Design. (⊘ **Cryptodash**)

Mind Space — *Web Application*

- Took initiative and built a responsive web application with daily images, and verses from the Bible.
- Eliminates distractions with minimalistic design and improves productivity with a pomodoro timer.
- Built with Javascript, React, HTML, CSS, Netlify, Material-UI. (⊘ **Mind Space**)

EDUCATION

University of Waterloo, Waterloo — Honours Statistics & Computational Mathematics, Minor in Computing

September 2020 - April 2025 (Expected)

- **Relevant Courses:** Designing Functional Programs, Elementary Algorithms Design and Data Abstraction, Object-Oriented Software Development, Data Types and Structures, Computer Applications in Business: Databases

SKILLS & INTERESTS

Technical : Python, Javascript, C++, C, Typescript, Electron, React/React Native, HTML/CSS, SQL, R, Racket, Selenium, Django, Git, Markdown, Heroku, Netlify, Material-UI, Excel, Bash, Firebase

Interests : Open Source Contributions, Blockchain Technology, Investing, Basketball (Senior Basketball Team), Cooking, Music