

# Daniel Zhang

## Computer Science @ University of Waterloo

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in [LinkedIn](#)

🐙 [GitHub](#)

### SUMMARY OF QUALIFICATIONS

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- **Languages:** Java, Python, Kotlin, HTML, CSS, JavaScript, C, C++, Racket
- **Developer Tools:** Linux, Git, GitHub, Bash, VS Code, Android Studio, Microsoft Visual Studio, Jira, Figma
- **Other:** Clear communication, well-developed time management, and strong problem-solving skills

### WORK EXPERIENCE

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#### System Support Officer

May 2023 - Aug 2023

Ontario Ministry of the Attorney General

Toronto, ON

- Demonstrated expertise in troubleshooting and solving various **software and hardware** issues, increasing resolution efficiency by **50%**
- Facilitated the **successful deployment** and implementation of new software systems for ministry employees
- Maintained accurate and **comprehensive documentation** of tickets and user support guides

### PROJECTS

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#### Quizlr 🎧 | Kotlin, Android Studio

- Created a multiple-choice quiz **mobile app** in **Android Studio** using Kotlin, compatible with versions of Android 5.0+
- Stored topics and questions in CSV files, and utilized **OOP principles** to efficiently load questions and answers
- Designed a visually appealing user interface with **XML layouts** to create Activity screens, buttons, and toggle switches

#### Weathercast 🎧 | HTML, CSS, JavaScript

- Built a fully functioning **web application** enabling users to access real-time, global weather forecasts
- Efficiently retrieved live weather data from the user's specified location using **OpenWeatherMap API**
- Implemented a **responsive user interface** to display temperature, weather conditions, humidity, and wind speed

#### Calculator App 🎧 | Microsoft Visual Studio C++

- Developed a modern calculator app using Microsoft Visual Studio **C++/CLI** within the **.NET framework**
- Included **advanced mathematical functions** as well as addition, subtraction, multiplication, and division operations
- Ensured seamless functionality, compatibility and scalability with **Windows 11, 10, and 8**

#### currencyXchanger 🎧 | HTML, CSS, JavaScript

- Completed a web application that allows users to perform **currency conversions** quickly and effortlessly
- Employed the use of **ExchangeRate API** to instantly access **real-time** exchange rates worldwide
- Crafted a **user-friendly** input validation system to ensure **accurate currency calculations**

#### Zombie Rampage 🎧 | Java, Java Swing

- Designed a zombie shooter survival game with dynamic **AI pathfinding algorithms** and **collision detection**
- Used **class hierarchies** and **fundamental OOP concepts** such as inheritance, polymorphism, encapsulation, and abstraction to create game entities
- Incorporated multiple **data structures** such as linked lists, stacks, and queues to store game data

### CERTIFICATES AND AWARDS

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- University of Waterloo's President's Scholarship of Distinction

### EDUCATION

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#### University of Waterloo

Sep 2022 - Apr 2027

Bachelor of Computer Science, Honours Co-op

Waterloo, ON