

Daniel Zhang

Computer Science @ University of Waterloo

(437) 258-8388 | drzhang@uwaterloo.ca | [LinkedIn](#) | [GitHub](#)

Summary of Qualifications

- **Languages:** Java, Python, Kotlin, HTML, CSS, JavaScript, SQL, C, C++, C#, Racket
- **Developer Tools:** Linux, Git, GitHub, Bash, VS Code, Android Studio, MySQL, JSON, NodeJS, Microsoft Visual Studio, Jira, Figma, Microsoft Intune, Azure, MS Office

Work Experience

Ontario Ministry of the Attorney General

May 2023 – Aug 2023

System Support Officer

Toronto, ON

- Demonstrated expertise in troubleshooting, testing, and solving various **software and hardware** issues
- Facilitated the **successful deployment** and implementation of new software systems through Microsoft Intune and Azure databases for 400+ ministry employees
- Maintained accurate and **comprehensive documentation** of tickets and user support guides

Projects

Quizlr | Kotlin, Android Studio

- Created a multiple-choice quiz **mobile app** in Android Studio with Kotlin, compatible with versions of Android 5.0+
- Stored topics and questions in **SQL** databases, 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 **OOP concepts** such as inheritance, polymorphism, and encapsulation to create game entities
- Incorporated multiple **data structures** such as linked lists, stacks, and queues to store game data

Certificates and Awards

- University of Waterloo's President's Scholarship of Distinction
- Honor Roll, Euclid Math Contest (top 5%)
- Certificate of Distinction, Canadian Computing Competition

Education

University of Waterloo

Sep 2022 – Apr 2027

Bachelor of Computer Science, Honours Co-op

Waterloo, ON

- Relevant courses: Designing Functional Programs, Algorithm Design and Data Abstraction, Object-Oriented Software Development, and Logic and Computation
- Term Dean's Honors list and excellent academic standing for all terms
- GPA: **3.87/4.0** (90.6% cumulative)