

# Kevin Zhang

Waterloo, ON

Personal Website: <https://kevinzhang.co/>

(289) 697-9853

[k389zhan@uwaterloo.ca](mailto:k389zhan@uwaterloo.ca)

## SUMMARY OF QUALIFICATIONS

---

- Proficient in **Excel (Pivot tables, VBA, lookup), SQL, R, Python and Tableau** for data analysis and visualization
- Experienced in end-to-end quantitative analysis from initial data cleaning to final documentation
- Solid understanding of computer science fundamentals including data structures and algorithms
- Skilled in **Python, C, and C#**, demonstrating a strong focus on writing efficient, reliable, and maintainable code
- Excellent interpersonal and communication skills evidenced by past tutoring experience

## EXPERIENCE

---

**Junior Software Test Engineer**, Emdoor Digital Technology Co., Ltd., Shenzhen, China Oct 2024 – Dec 2024

- Conducted comprehensive testing to identify, recheck, and validate bugs of multiple software, ensuring accurate documentation and effective communication of defects to development teams
- Assisted in testing and evaluating an AI workbench software, ensuring functionality and accuracy by verifying AI-generated responses in language models and analyzing articles, reports, charts, and images for quality assurance
- Designed and executed detailed test cases to evaluate software functionality, ensuring it meets quality standards and provides an optimal user experience

## PROJECTS

---

**2D Game Development: Moros**, GameJam|Team Project Nov 2024

- Utilized **Unity** as the primary development engine to design and build 2D gameplay, while developing and integrating **C#** scripts for interactive props, ensuring seamless functionality and an engaging player experience
- Collaborated with team members to discuss gameplay mechanics, storyline development, and design elements, ensuring alignment with the project's creative vision and technical feasibility
- View the game: <https://nadanial.itch.io/moros>

**SQL Programming Trainee**, Savvypro Education, Waterloo, ON Feb 2024 – Mar 2024

- Mastered relational database essentials and **SQL** programming by completing project-based training sessions
- Utilized advanced SQL queries to clean, transform and load financial data into the database, ensuring data integrity and accuracy
- Leveraged inner joins, outer joins, and sub-query to perform data analysis, automated the process of generating financial reports across multiple tables

**Predictive Modeling in Marketing Campaign**, Savvypro Education, Waterloo, ON Feb 2024 – Mar 2024

- Developed a regression model using **Python** to predict sales amount in marketing campaign based on various channels of promotion
- Utilized **NumPy** for loading, processing, and cleaning input data, implemented Ordinary Least Squares (OLS) to determine coefficients of independent variables

**E-commerce Sales Analysis**, Savvypro Education, Waterloo, ON Dec 2023 – Jan 2024

- Performed analysis on e-commerce sales data, utilized **pivot tables** in **Excel** to calculate, and derive insights on sales trends and key performance indicators
- Developed dashboards in **Excel** to visualize analysis results, enabling stakeholders to interpret findings and drive actionable insights

## EDUCATION

---

**Bachelor of Computer Science, Computer Science** Sep 2023 – present

University of Waterloo, Waterloo ON, GPA: 3.9/4.0

## SKILLS

---

- **Technical Skills:** Python, NumPy, Pandas, SQL, C, C#, HTML/CSS, R, VBA, Excel, Linux, Shell, Racket, Git/GitHub
- **Communication:** Fluent in English & Mandarin