

# Zhilin (Catherine) Zhou

3A Data Science student looking for a 4-month Co-op

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## Qualifications

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**Computer-Related** C/C++, Python, ~~TeX~~ LaTeX, Scala, T-SQL/MySQL, SSIS, Java, R, Linux, Bash, Git, Microsoft Office (Excel, Word, PowerPoint)  
**Language** Native Mandarin speaker and fluent English user  
**Soft Skills** Independent learning, Leadership, Teamwork, Communication, Focus on details, Time management

## Relative Projects

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### 📁 24-game

Mar. 2021 - present

</> Using **Python** to develop a 24-game that interacts with the user to find solutions to a 24 puzzle.  
</> Giving random four numbers 1 to 9, the player has to find a solution with basic arithmetic calculations resulting in 24.  
</> The computer will generate a solution as well as comparing the solution to the user's input.

### Settlers of Catan Game Development

Nov. 2020 - Dec. 2020

</> The project is the *final group project for CS 246*, a variant of the game Settlers of Catan and developed through **C++**.  
</> We use the **MVC structure** and other design patterns such as **template method** and **factory method** to implement this game.

### Minesweeper

July. 2020

</> Developed the game using **C**, including features such as *step*, *mark* and *print*. Player can choose the size of the game board first and play the game by inputting the listed commands.

### 📁 Personal Website

May. 2020 - June. 2020

</> Initiate the challenge to work with unfamiliar languages - **HTML**, **YAML**, and **CSS** - and build the website **independently**.  
</> **Help colleagues** by posting self-organized course notes, review materials, and problem sets.

## Work Experience

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### ETL Quality Assurance Analyst Co-op

Toronto, Ontario, Canada

Teranet Inc.

Jan. 2021 - Apr. 2021

</> Develop data migration scripts using **T-SQL** and **SSIS** to migrate multiple database systems.  
</> Work with teammates to modify the testing scripts in **T-SQL** and enhance the testing system at all stages of the ETL cycles.

### Internship at Marketing Department

Shanghai, China

Shanghai Daozhi Network Technology Co., Ltd

Jul. 2017 - Aug. 2017

</> Operated official accounts at multiple **online social platforms**, learned **marketing strategies** to manage customers.  
</> **Worked in a team** to **evaluate the official website** of luxury brands on how to enhance customer experience.

### Internship at Sales Department

Shanghai, China

Shanghai R-Vision Group Network Technology Co., Ltd

Jul. 2016 - Aug. 2016

</> Worked in a team to gather information of various brands in the **retail industry** to find potential customers.  
</> **Updated posts** on various social platforms and learned how social media extensively enlarged potential customers.

## Relative Experience

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### University of Waterloo Student Marker

Waterloo, Ontario, Canada

Worked as a student marking TA for MATH 237

Sep. 2020 - Dec. 2020

### Backstage Manager

Adrian, Michigan, USA

Sixth time volunteered to work in backstage for school drama or musical

Apr. 2019 - May. 2019

## Education

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### University of Waterloo

Waterloo, ON, Canada

Data Science/Bachelor of Computer Science

Sep. 2019 - Present

</> Received **President's Scholarship** and **International Students Entrance Scholarship** before enrollment.  
</> Recognized in **Term Dean's Honours List** in 1B and 2A and received **Term Distinction** award in 2B.  
</> Major Average: **95.75%**, Cumulative Average: **94.00%**