

# Zhi Rong (Kitty) Cai

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in Zhi Rong Cai ↗ zcai.tech 🐱 cat-kitty

1A Computing and Financial Management  
Student Number: 20960970  
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## Skills

### Languages:

Python, Java, JavaScript, HTML, CSS, C, Racket, Turing, PHP, Basic SQL, Markdown, LaTeX  
(Fluent in French, Conversational proficiency in Mandarin)

### Frameworks/Libraries:

NodeJS, Flask, Pandas, NumPy, Matplotlib, NumPy-Financial, yFinance, React, Bootstrap

### Tools:

Power BI, Microsoft Excel, Microsoft Word (MS Office Suite), Google Cloud (GCP), WordPress, Dragon Naturally Speaking, Figma, MongoDB, Git, Jupyter, Digital Ocean

## Projects

### Personal Website (React), <https://zcai.tech/>

- Used React, Javascript, HTML, CSS to create an interactive webpage
- Designing the website to become dynamic with MongoDB, PHP and SQL

### Profiteers Trading-Bot (Python, Flask, API),

ProfiTech Hackathon - 3rd Place

- Takes a user input of a stock symbol and displays a short-term sentiment and trend analysis of that stock based on previous Tweets
- Built the front-end with APIs, twitter analysis, and natural language processing

### Agar.io (Java)

- Used Java with object-oriented programming to create a game where players control circles and eat smaller circles to become the biggest circle
- Designed and implemented AI for the bots so that bigger circles would chase the closest smaller circles while smaller circles will try to actively dodge

## Education

### Candidate for Bachelor of Computing and Financial Management, University of Waterloo (2021 - Present)

- Recipient of University of Waterloo Alumni @ Microsoft Entrance Scholarship

## Interests

Badminton, Chess, UI Design, Drawing, Skating, Swimming, Volleyball

## Professional Experience

### Marketing Apprentice, Healing Lab

2019 June – 2021 June

- Researched Google ads best practices and led a \$4000/month Google advertising campaign
- Designed and developed advertisements using Buffer published on Facebook
- Used demographics, marketing funnels, SEO, keyword selection to optimize ads
- Designed logos, marketing pamphlets, ad extensions, and installed tracking pixels

### Close Captioner, Ai-Media

2021 July – 2021 September

- Captioned subtitles by respeaking with Dragon NaturallySpeaking
- Worked as a team to provide captions for university lectures

### Marketing Apprentice, Gothard Enterprises

2019 September – 2019 December

- Created marketing materials for The Project EGG Show
- Connected with angel investors, board members, founders and CEOs of both start up companies and large enterprises for interview series on podcast
- Edited videos that hit over a thousand views on YouTube

## Volunteering

### Chief Financial Officer,

Toronto Public Library - Youth Advisory Group

2018 September – present

- In charge of the Youth Advisory Group's library budget for 30 students (12 - 18 years old)
- Helped plan and organize library March Break, and Summer programs for youth
- Developed next steps and areas of exploration with the collection development department
- Helped organize a multi-generational hip-hop/R&B concert at the library and a cultural food Indigenous history program

## Courses

AFM 132, Introduction to Business Stages (96%)

CFM 101, Introduction to Financial Markets and Data Analytics (88%)

- Used data gathered with **Pandas** and **matplotlib** to analyze and learn about the financial market
- Conducted financial analysis, including technical and practical knowledge of financial modelling

CS 145,

Designing Functional Programs (Advanced Level) (96%)

- Used algorithm design and data abstraction

MATH 145, Algebra (Advanced Level) (100%)

MATH 147, Calculus 1 (Advanced Level) (73%)