

# Kristen Zhang

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## EDUCATION

**Western University, Ivey Business School,** London, ON  
*BESc, HBA, Dual Degree in Software Engineering and Business Administration* Sept 2020 - Apr 2025

- Dean's Honour List (2021, 2022), Ivey Dean's Honour List 2023 (Top 25%), Engineering GPA: 3.8/4.0.

## EXPERIENCE

**Citibank** Mississauga, ON  
*Technical Production Intern* Summer 2023

- Achieved **real time accuracy** and improved efficiency by automating EOD transaction checkouts through web scraping data and building a **summary table visualization using pandas**.
- Designed and implemented an automation script that efficiently sorted daily production tasks, parsed error log files, and generated comprehensive monthly job failure reports for a portfolio of 800+ jobs; efforts improved **accuracy rate to 100%** and **boosted efficiency by 180%**.
- Coded a scheduled script to check completion of inbound feeds and send email alerts, **streamlining daily operations** by allowing dependent jobs to be run or placed on hold accordingly to reduce total job failure.

**Meta / Major League Hacking** Remote  
*Production Engineering Fellow* Summer 2022

- Created an **open-source, full-stack personal portfolio** website template using Python, Flask, Jinja, MySQL, Nginx, Docker, and unittest, guaranteeing easy and **flexible redeployment** of code for future users.
- Applied **continuous integration** and **continuous deployment** to automated testing and deployment workflows; contributions **improved troubleshooting process**.
- Set up system and container monitoring, alerting, and visualization using **Prometheus and Grafana**; led to optimized computer processing and memory usage.

**Western University** London, ON  
*Data Research Intern* Summer 2022

- Developed a user-friendly recording GUI that encodes the **maximum quality and FPS of a camera hardware**; implemented code set up the framework for future video data collection.
- Conducted multiple recording tests with the Luxonis Oak-D camera and **documented hardware and software limitations, efforts** ensured a smooth transition for future interns.
- Implemented code for customizable file organization, giving users the flexibility to categorize storage of data.
- Received the NSERC Undergraduate Student Research Award (\$8400), a **national research award in Canada**.

## LEADERSHIP

**Innovation & Entrepreneurship Club** London, ON  
*Co-President* May 2022 - Present

- Planned and executed interactive club events to encourage leadership and build business acumen for club members; efforts **increased student involvement by 66%**.
- Oversaw finances, marketing, and club growth, resulting in consistent engagement within the student community.
- Managed an **executive team of 12 members** and directed bi-weekly meetings to delegate important tasks; enhanced team unity and ensured club activities ran smoothly.

## PROJECTS

**Monster Fighter** (<https://github.com/IntentusKristen/Monster-Fighter>)

- Developed a video game that allows users to traverse a dungeon, fight mobs, collect coins, and ultimately save their pet lizard.
- Integrated mob movement, projectiles, collectables (coins), and XP bar.
- Utilized: C# programming, Unity, Prefabs, Git, Vector Transformations

**App Authentication** (<https://github.com/IntentusKristen/workmate-app>)

- Created a mobile app where users can input information and verify accounts through receiving a confirmation code through automated emails handled by AWS.
- Implemented user authentication by hooking up UI with AWS Amplify to store a database of user accounts.
- Utilized: React Native, Javascript, HTML/CSS, Git, AWS Amplify

**Languages:** Native proficiency in English, Bilingual Proficiency in Mandarin

**Technology and Coding Languages:** Python, C, C#, Java, JavaScript, HTML/CSS, Docker, Linux, Pandas, React

**Interests:** Graphic design, Technology, Reading, Teamfight Tactics, Drawing