

# Ching Yu Tseng

+1-604-657-5173 | c7tseng@uwaterloo.ca | Personal Website

 [Linkedin](#) |  [chingyutseng0715](#) |  [Twitter](#)

Waterloo, Ontario - N2L 4X2, Canada

## OBJECTIVE

Seeking a challenging internship/coop in software engineering, data analytics, or data science to leverage my expertise in programming, data analysis, and problem-solving. Aiming to contribute to innovative projects at the intersection of artificial intelligence and software development, with a focus on practical problem-solving in fields such as fintech, data science, and scalable web applications.

## EXPERIENCE

### • University of Waterloo

May 2025 - August 2025

Waterloo, Canada

- WE accelerate - project team member
- Developed the pipeline and implemented a travel advisor chatbot, improving skills of Azure AI services integration and enhancing user experience through personalized travel recommendations and real-time assistance.
  - Collaborated in weekly meetings and retrospectives, strengthening project management and fast-paced teamwork throughout the development cycle.
  - Conducted data analysis and user research to identify key insights and integrate client feedback, ensuring the final product met usability and performance standards.
  - Presented project deliverables and findings to peers and industry partners, enhancing technical communication and public speaking skills.

### • Freelance Project – Developer

June 2025 – August 2025

Waterloo, Canada

- Automated PowerPoint Generation Website | Remote
- | Remote |
  - Collaborated in weekly meetings and retrospectives, strengthening project management and fast-paced teamwork throughout the development cycle. Collaborated closely with clients from the microwave engineering field, effectively bridging technical gaps through active communication and rapid self-learning of domain-specific concepts.
  - Gained valuable experience in full-stack development, project deployment, and adapting complex technical requirements into practical and user-friendly solutions.

## EDUCATION

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### University of Waterloo

September 2024 - August 2029

Waterloo, Canada

Honours Math 2A

\* GPA: 3.70/4.00

## PROJECTS

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### Personal Official Website

May 2025 - June 2025

[Q]

Tools: React, Spline, Tailwind CSS, FastAPI, and other modern web development tools

- \* Developed a responsive user interface to enhance visitor engagement and accessibility across devices.
- \* Implemented FastAPI backend to enable efficient data handling and seamless interaction between frontend and server, achieving a 30 percent reduction in load time
- \* Created interactive 3D components using Spline, ensuring an immersive and visually appealing user experience.
- \* Applied UI/UX knowledge to enhance user experience

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### Frontend E-commerce website

April 2025

[Q]

Tools: React, UI Design

## SKILLS

- **Programming Languages:** Python, C, C++, SQL, HTML/CSS/JS, Bash, Git, Racket
- **Web Technologies:** React, Spline, Vercel, Render, TailwindCSS, 3D motion
- **Database Systems:** SQL
- **Data Analytic:** PowerBI
- **Cloud Technologies:** Azure, Azure service
- **Other Tools & Technologies:** Excel, Microsoft Office, Github, fastAPI
- **Soft Skills:** Leadership, Independent, Communication, Cooperation, Critical thinking, Attention to details

## VOLUNTEER EXPERIENCE

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- **Library Data Controller**  
*Bade Library*
  - \* Record, manage and organize library data records, ensuring accurate cataloging and easy retrieval of information.
  - \* Reduced search time, increase data accessibility
  - \* Developed skills in data entry, attention to detail, and database management while collaborating with library staff to maintain information accuracy.
  
◦ **Electronics Equipment Assistant**  
*Zhongli High School*

  - \* Assisted in managing and maintaining electronic devices and lab equipment, ensuring proper setup, functionality, and availability for students and faculty.
  - \* Monitored device inventory, organized equipment checkouts, and supported troubleshooting of minor technical issues to maintain smooth operations.
  - \* Strengthened skills in technical problem-solving, teamwork, and responsible equipment handling through close collaboration with staff and users.

## CERTIFICATIONS

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- **Front-end Development with React V2** May 2025
- **Azure AI Fundamentals** June 2025
- **Azure Fundamentals** June 2025
- **SQL for Data Science** June 2025
- **Power BI: Get started with Microsoft data analytics** August 2025

## ADDITIONAL INFORMATION

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**Languages:** English (Proficiency level), Mandarin (Proficiency level), Taiwanese (Proficiency level)

**Interests:** Piano, Basketball, Gaming, Cooking