

Ching Yu Tseng

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Waterloo, Ontario - N2L 1S3, 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

WE accelerate - project team member

Waterloo, Canada

- Developed the pipeline and implemented 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 pace 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.

EDUCATION

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University of Waterloo

September 2024 - August 2029

Honours Math

Waterloo, Canada

* GPA: 3.70/4.00

PROJECTS

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Personal Official Website

May 2025 - June 2025

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

Tools: React, UI Design



SKILLS

- **Programming Languages:** Python, 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 detail

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.

CERTIFICATIONS

◦ 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

Languages: English (Proficiency level), Mandarin (Proficiency level), Taiwanese (Proficiency level)
Interests: Piano, Basketball, Gaming, Cooking