

Taiwu Chen

+1(587)971-6606 | chen.taiwu@uclagary.ca | [Portfolio](#) | [LinkedIn](#) | [GitHub](#)

EDUCATION

University of Calgary

Bachelor of science, Software Engineering

Calgary, Alberta

Expected Graduation, May 2026

EXPERIENCE

Tongdao First People's Hospital

Database Administrator intern

Hunan, China

August 2024

- Retrieved and provided data to other departments by generating Excel reports
- Extracted specific patient information (e.g., those above 50 who underwent Chemotherapy) using advanced database queries and SQL
- Ensured data accuracy and confidentiality while handling database queries
- Collaborated with healthcare professionals to understand and fulfill specific data requirements for patient care and research purposes

Converging Media Tongdao

Full Stack Developer intern

Hunan, China

July 2024

- Utilized SSCMS from SiteServer to enhance site functionality, improving overall performance
- Developed a calendar feature allowing users to filter videos by specific dates, streamlining content discovery
- Collaborated with team members to ensure seamless integration of the new features
- Optimized user experience through efficient coding practices and database management

PROJECT

House Energy Estimation System

YYC Hackathon, November 2023

- Developed an energy estimation system, allowing users to input appliance usage and calculate consumption, helping raise awareness of costs and environmental impact

Flight Management System

ENSF 337, September 2023 – April 2024

- Used C++ to build a Flight Management System with seat mapping and passenger data management, enabling easy flight info manipulation and ensuring data persistence

Pong

ENGG 200, September 2022 – April 2023

- Used Arduino to create a Pong game, integrating hardware and software for controls and display, gaining experience in embedded systems development

OTHER

- Finalist in the American Computer Science League 2020 - 2021
- Bronze medal in the British Physics Olympiad (BPhO) 2019 - 2020
- Library volunteer in Guangzhou, China 2019 - 2020
- Teaching assistant in Semporna, Malaysia December 2019
- Teacher's assistant in Bali, Indonesia August – September 2019

SKILL

- Language: Python, C/C++, Java, HTML, CSS, JavaScript, SQL
- Tools: Git, Sourcetree, Excel, PostgreSQL, MySQL, Draw.io, Xcode