

Taiwu Chen

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SKILL

- Language: Python, C/C++, Java, HTML, CSS, JavaScript, Assembly, PHP, SQL
- Framework/Libraries: React, Angular, Pandas, Numpy
- Tools: Git, Linux, Bash, Excel, PostgreSQL, MySQL

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, adhering to healthcare data protection standards
- 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, maintaining high standards of code quality and consistency
- Optimized user experience through efficient coding practices and database management

PROJECT

House Energy Estimation System

YYC Hackathon, November 2023

- Used Python to develop an energy estimation system, allowing user 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*