



Wai Ting Chan (Amy)

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Technical Skills

Programming Languages: C++, Java, Python, R, HTML, CSS, JavaScript, Perl, Linux, C, PHP
Databases: MySQL, Microsoft SQL Server, Oracle
Software: Visual Studio, IntelliJ, Eclipse, SciTE, R Studio, MATLAB, Dreamweaver, GitHub, Git, DataGrip

Projects

- Oct 2024 **CIC Generative AI and Sustainability Hackathon**
- Developed a disease diagnosis system using AWS and generative AI
 - Designed a Flutter UI for symptom input and diagnosis display
 - Implemented Cognito for secure user authentication
 - Utilized API Gateway to route frontend requests to backend services
 - Optimized outputs via prompt engineering and filtering in Lambda
 - Integrated Bedrock with the Llama 3 model to perform AI analysis and generate possible diagnoses
- Sep 2023 – Nov 2023 **Olympic Games Management System**
- Developed a comprehensive management system for Olympic Games operations, involving meticulous entity-relationship modeling
 - Optimized system performance through rigorous normalization
 - Generated SQL scripts for the creation and management of tables
 - Designed a user-focused interface using HTML, CSS, and JavaScript
 - Integrated PHP and Oracle to construct a reliable backend
 - Connected frontend to backend systems to deliver cohesive functions
- Sep 2022 – Dec 2022 **Beauty Application**
- Developed an application for users to find and bookmark cosmetics
 - Constructed JUnit tests covering scenarios like edge cases
 - Utilized breakpoints to analyze and resolve issues during debugging
 - Implemented interactive buttons and dynamic search bars
 - Saved items from a bookmark table to a JSON file
 - Enhanced application architecture using object-oriented design principles, encapsulation, and polymorphism.



- May 2022 – Aug 2022 **Car Parking Management System**
- Collaborated in a team setting to build a database aimed at enhancing the efficiency of car parking operations and space management
 - Managed parking passes and vehicle details using MySQL
 - Enforced constraints with “CHECK” to ensure the start date is earlier than the end date
- Jan 2021 – Apr 2021 **Self Learning Website**
- Developed a responsive website to test user’s knowledge
 - Produced animations in Flash to introduce users to networking
 - Fulfilled UI with HTML, CSS and JavaScript

Work Experience

- Sep 2022 – Current **Statistics Marking Position**, Langara College in Canada
- Work for 2 professors each term
 - Ascertain and follow their specific marking requirements
 - Have graded assignments for over 400 students
 - Created assignments on WeBWork using Perl for the first time
- Jul 2020 – Apr 2021 **Bubble Tea Barista**, Ban Chun Tea in Hong Kong
- Worked in a fast-paced environment, multitasking between food and drink preparation, walk-in customer service, and phone inquiries
 - Cooperated with co-workers efficiently by focusing on assigned tasks and assisting them when my tasks are done
 - Trained five trainees well by transferring my knowledge to them
- Oct 2020 – Apr 2021 **Tutor**, Unice in Hong Kong
- Tutored a group of 8 elementary school students patiently
 - Reported students’ learning progress to their parents every week
 - Helped students improve their scores from 60 marks to 80 marks by explaining sophisticated concepts with real-life examples

Education

Expected graduation May 2025

- 4th Year Bachelor’s Degree** at University of British Columbia, Vancouver
- Major in Cognitive Systems

Jan 2021 – Aug 2022

- Associate of Computer Science** at Langara College, Vancouver
- Graduation with distinction
 - Several Dean’s Honour Roll