

James Hou

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Computer Science 2B | 20879064

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SUMMARY OF QUALIFICATIONS

Programming Languages

- ✓ Proficient in C++, C, Java, Racket, R, Python3, HTML, Linux, Bash. With knowledge of SQL.

Technologies and Frameworks

- ✓ Proficient in Microsoft Office, Microsoft Dynamics AX, Git, Bash, Pandas
- ✓ Familiar with Object-Oriented Programming, learnt through course study and projects

Business Knowledge

- ✓ Extensive experience in accounting and marketing through courses, internship, COOP, DECA training and competitions
- ✓ Sound business knowledge learned through Specialist High Skills Major (SHSM) program in business major with final GPA 4.0 in 7 related courses

Additional Skills

- ✓ Exceptional communication skills and data analysis skills developed through holding data specialist position in high school DECA Club as well as previous work experience
- ✓ Outstanding teamwork and cooperative skills established through group projects and COOP

PROJECTS

Computer Hydra Game

July 2021

- A computer card game coded with C++ language which can be played with different mode (human-to-human/computer) within 13 complicated rules, and earned full grade
- A solo project involves multiple design patterns and different object-oriented programming skills (class relations, smart pointer, UML design, common C++ libraries such as STL)

Robot Operator

Mar 2021

- Coded with C that can operate a robot in a 2D environment filled with obstacles and energy stations and output its energy status accurately from user-input commands
- Designed different “room” layouts featuring various edge scenarios for testing and debugging and earned full marks in this university project

EXPERIENCE

Internship as Associate IT Consultant in Capgemini, Shanghai, China

Sep 2021 – Dec 2021

- Participated in AGILE project development team for IKEA INGKA Centers’ indoor leasing map API
- Assisted in its 3D interior map feature development specially focusing on user experience enhancements and testing for quality assurances
- Authored an investigative report on the prospect of 3D indoor mapping technologies

Internship as Student Accountant in Procor Ltd., Oakville, ON

Jul 2019 – Aug 2019

- Handled independent account payable reconciliation and archiving with accounting knowledge
- Analyzed trends and abnormalities for company’s monthly expense reports in Microsoft Excel
- Learned and mastered Microsoft Dynamics AX software

EDUCATION

Candidate for Honors Bachelor of Computer Science, University of Waterloo

2020-Current

- Signature course: C++, C, Racket, Calculus, Statistics, Data Structures & Management, Foundations of Sequential Programs, Accounting
- University of Waterloo President’s Scholarship of Distinction (2021)

Oakville Trafalgar High School (2017-2020)

GPA: 4.0

- Obtained SHSM certificate for Business major with excellent final GPA 4.0 in relevant courses (Accounting, Economics, Marketing, International Trade, Business Communication, Leadership)
- Attended DECA Regional and Provincial Events for Automotive Marketing in 2018 and Accounting Application in 2019, earned Top 10 awards for regional competition for two times

INTERESTS

- Classic music, travel, history
- Investment: ranked 3rd with a total portfolio gain of 35% within 4 months in simulated stock market competition in high school investment club