

YUSHUO HAN

SUMMARY OF QUALIFICATIONS

PROFICIENCY IN

Java, Python, Racket/Scheme

EXPERIENCE WITH

JavaScript, C/C++, Turing

2+ YEARS EXPERIENCE IN

Data Structure and Object-Oriented Programming demonstrated through various projects

EXCEPTIONAL LEADERSHIP SKILLS

proven through coordination as project leader

PROVEN ANALYTICAL SKILLS

demonstrated through efficient data structure of project applications

STRONG COMMUNICATION SKILLS

proven through marketing experience as a promotional associate

EDUCATION

B. OF COMPUTER SCIENCE (2018-2023)

University of Waterloo (Average: 92.4%)

- Mathematics Global Scholarship
for exceptional international applicants
- President's Scholarship of Distinction
for over 95% average
- Mathematics Promissory Scholarship
for outstanding Euclid contest performance

RELEVANT COURSES

DESIGN FUNCTIONAL PROGRAMS (ADVANCED)

SEP - DEC 2018

BSTs, tries, lists, sets, recursion, sorting, streams, lazy evaluation, big-O analysis, and lambda calculus

ELEMENTARY ALGORITHM DESIGN AND DATA ABSTRACTION (ADVANCED)

JAN 2019 - PRESENT

Imperative programming, file I/O, mutation, memory management, and abstractions

ACHIEVEMENTS

DISTINCTION (99.5% PERCENTILE WORLDWIDE) AND SCHOOL CHAMPION IN EUCLID/FERMAT/HYPATIA CONTESTS

University of Waterloo | OCT 2016 - JUN 2017

- Invited to UWaterloo on-campus workshops based on outstanding contest performances

1ST PLACE OF UOTTAWA MATH HORIZON DAY COMPETITION

University of Ottawa | MAY 2016

- Finished 1st amongst 30 secondary school teams; as the school team captain, received award from Mayor of Ottawa

Bachelor of Computer Science, 1B | 20769332



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RELEVANT PROJECT EXPERIENCE

HISTORICAL TIMELINE APPLICATION

Computer Science | MAR - JUN 2018

- Built an application using Java for users to create personalized historical timelines for analytics; coordinated members' programming schedules on *Github* as the leader of a team of four
- Stored and grouped information in a text file using multi-dimensional arraylists to handle data and search for user information efficiently

CALCX CALCULATOR

Personal Project | NOV 2018 - PRESENT

- Designed and built an application using Java for students to compute and study algebra efficiently
- Stored functions as lambda expressions in a hash map; displayed graphics using GUI and Swing to enhance client's visual experience

UNIVERSITY CLUB PORTAL

Personal Project | JAN 2019 - PRESENT

- Created prototypes for UWaterloo club platform to connect students and club administrators
- Planned to implement database for information storage and machine learning for suggestion features using React

FINANCIAL MANAGEMENT APPLICATION

Introduction to Computer Science | OCT 2017 - JAN 2018

- Designed and implemented an application using Python for users to bookkeep their personal finances
- Stored account information using I/O file to ensure successful login and information retrieval when re-opening the application

ADDITIONAL EXPERIENCE

AGRICULTURAL RESEARCH ASSISTANT (CO-OP)

Agriculture & Agri-Food Canada | Ottawa, ON | FEB - JUN 2017

- Analyzed photos taken using infrared camera to record plant growth
- Ground hundreds of crop samples for nutrient tests by following detailed and complex procedures
- Prepared and planted seed samples in coordination with many other team members

MARKETING ASSOCIATE

Enactus Waterloo | Waterloo, ON | OCT - DEC 2018

- Created emails outlining club schedules to promote future events consistently under tight deadlines
- Promoted events through social media in coordination with other associates and project teams
- Photographed events and post-edited photos for promotional media

CLUBS AND INTERESTS

- UW Data Science Club, Enactus Waterloo, and UW Photography Club
- 9th Grade Exam in Piano Performance
- Environmental Conservation; Soccer, Tennis, and Trekking