

Daniel (Haoxuan) Zhang

2B Computer Science Honours Co-operative Program Student

Hx5zhang@edu.uwaterloo.ca

University of Waterloo ID # 20720235

(647) – 819 – 2808

QUALIFICATIONS

- Enthusiastic, inquisitive, adaptive, responsible and organized skilled worker with strong leadership and team skills
- Communicative learner with critical and logical thinking skills seeking growth through collaboration and development
- 6+ years of wide-range programming and project experience by extensive training and extracurricular projects
- Exposure and training in Java, Racket, C/C++, Python, SQL, HTML, Bash, AODA, Android, MS Office, Turing, Git, Arduino, etc.

EDUCATION

Candidate for **Bachelor of Computer Science (BCS)**, University of Waterloo, Waterloo, ON

Sept.2017 – Present

RELEVANT AWARDS

University of Waterloo President's Scholarship of Distinction

2017 – 2018

Medal of the Governor General of Canada for Highest Academic Average and Achievements

2017

Ontario Volunteer Services Award with over 600 Volunteering Hours

2016

RELEVANT WORK EXPERIENCE

Ontario Ministry of Education *Toronto, ON | IT Quality Assurance Assistant*

May.2018 – Dec.2018

- Earned “Outstanding” performance evaluation and feedback
- Completed tasks with responsibilities and roles in Quality Assurance as well as Software Developing
- Worked efficiently in several teams with SDLC, Waterfall and Agile knowledge in development of a wide range of projects
- Developed and executed automated and manual test plans and test cases to identify and debug software issues
- Worked with Selenium, UFT, HP ALM, AODA, SharePoint, Cognos, TFS, SQL, C/C++, HTML, .NET, Azure, NodeJS, Angular, etc.

The Postcard Factory *Markham, ON | General Warehouse Management and Control*

July.2017 – Sept.2017

- Maintained team environment by team agreements to assure work efficiency throughout
- Exposure to Quality Assurance tasks and responsibilities as well as databases and management systems
- Achieved beyond goals by efficient time managing; good impressions to employers
- Adapted different tasks by learning beforehand; efficiently reduced time needed to learn

OTHER WORK & VOLUNTEERING EXPERIENCE

UW Senior Math Ambassador, event organizer, Camp Youth Counsellor, teacher assistant, Math, English & CS tutor, etc.

- Enhanced soft skills and core values such as teamwork, integrity, compassion, solidarity and more

RELEVANT PROJECTS

Rubik's Cube Solver

Apr.2019

- Uses Java program to get cube state, computes one of the shortest solutions using God's Algorithm for 3x3x3 Rubik's Cubes, which then gets translated into a C/C++ program file. Arduino IDE then runs the program and goes through a circuit to control 6 motors that signals 6 separate moves that solves the cube.

E.E.M.A. Fire Alarm App (Emergency Evacuation Management Application)

Jan.2019

- Application designed to send out employee location, status to supervisors while providing floor plans and route maps
- Provides updates for listed contacts to replace old fashion clip-boards and name yelling if in case of a facility evacuation
- Developed using tools like Android Studio and Google Maps as well as cellular permissions

Automated Task Manager

May.2018 – Jan.2019

- Task manager made with Selenium that executes specific compilations of pre-designed tasks with user command

Game Platform

Nov.2016 – Jan.2018

- Platform with games such as: Sudoku Solver, AI TicTacToe, Chess, Dice Game, Blackjack, Tetris, Snake, Magic Square, etc.
- Enriched learning to implement and design algorithms, draw and code graphics, as well as program in several languages
- Worked on machine learning A.I. concepts to develop an artificial player with initially no skill, and eventually teach itself

OTHER ACTIVITIES & PROJECTS

StarterHacks 2019, all-in-one daily utilities Android app, personal website, line-following robot, music sheet to MIDI, etc.

OTHER EXTRACURRICULAR ACTIVITIES & INTERESTS

Developing useful applications and utilities, Rubik's cubes, yo-yo, puzzles, piano, flute, magic tricks, CS clubs, math clubs, etc.