

Daniel Huang

(519) 722-9396 | daniel.huang1@uwaterloo.ca
[linkedin.com/in/daniel-huang9](https://www.linkedin.com/in/daniel-huang9) | github.com/danielhuang9

SUMMARY OF QUALIFICATIONS

- Strong communication skills demonstrated through placing in the top 10 competitors in DECA (business case study competition)
- Solid leadership skills through leading high school soccer team as a team captain

TECHNICAL SKILLS

- Proficient in C++, Python, Java, SQL, BASIC
- Skills with Raspberry Pi, woodshop and solder lab
- Experience in building projects with electronic components (circuit boards, resistors, transistors, chips, etc.)

PROJECTS

Spell Check July 2020 - Aug 2020

- Built a spell checker in C++ to parse individual words from a user input text file and return misspelled words

Firefighter Robot Sept 2019 - Feb 2020

- Developed a firefighter robot using AutoCAD, BASIC, circuit boards, PIC microcontrollers and sensors
- Programmed a wall follower algorithm in BASIC to navigate complex $25m^2$ mazes to find and extinguish fire

Humidity Monitor July 2018 - Dec 2018

- Built a real-time humidity detector with Raspberry Pi, Python and breadboard components to monitor humidity levels in basement
- Implemented a program on Raspberry Pi to notify users via e-mail and light up an LED when humidity reached a threshold in real-time

WORK EXPERIENCE

Kam Yin Restaurant, Waterloo, Ontario Jan 2019 - July 2019

- Prepared takeout orders efficiently and accurately while multi-tasking up to 30 orders at a time
- Communicated with customers through taking orders and serving food
- Adapted to work under high-pressure

South Cambridge Kumon, Cambridge, Ontario July 2018 - Sept 2018

- Tutored students in elementary level Math and English subjects
- Developed customer service skills by marking worksheets and communicating with students

AWARDS AND ACHIEVEMENTS

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| • University of Waterloo President's Scholarship of Distinction | 2020 |
| • Nortel Networks Undergraduate Scholarship | 2020 |
| • Canadian Senior Math Contest Distinction | 2020 |
| • DECA (international business case study competition) Top 10 Ranked | 2020 |
| • MVP of high school boys' soccer team | 2018 |

EDUCATION

Bachelor of Applied Science in Computer Engineering June 2025 (expected)

- Average: 89%