

MICHELLE DANG

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Summary of Qualifications

Detail oriented self-starter with demonstrated ability to learn quickly through courseware and side projects.

Able to work well independently and/or collaboratively as an enthusiastic team member.

Bilingual (French), with DELF B2 certification.

Familiar With

Java | Python | C | Linux |
HTML/CSS | Android Studio |
Material Design | Racket

Education

Bachelor of Computer Science, 2021

University of Waterloo
Sept 2016 - Present

High School Diploma + Ontario French Immersion Certificate

M.M. Robinson High School
2012-2016

Honours, Awards, Achievements

President's Scholarship of Distinction - 2016

University of Waterloo

Miriam Collins Leadership Award - 2016

Canadian Federation of University Women's Club

Auxiliary Scholarship Award - 2016

Joseph Brant Hospital & Foundation

Languages Department Award - 2016

M.M. Robinson High School

Silver with M.M. Robinson's Senior Concert Band and Senior Jazz Band - 2016

Musicfest Canada

Interests/Hobbies

Music

(guitar, piano, rock, jazz, concerts)

Comedy

(podcasts, film, stand-up)

Extracurricular Experience

Team Captain and Programming Team Lead

FIRST Robotics Team 2200, M.M. Robinson High School

(Sept 2013-Apr 2016)

- Designed code in Java using Eclipse for the RoboRIO microcontroller to control the team robot (used PID Controllers, FRC Libraries, CAN subsystem)
- Co-Lead of a seven member programming sub-team and organized lessons to teach Java and version control (Github) to junior team members (<https://github.com/2200Ramblings>)
- Communicated/collaborated with mechanical and electrical sub-teams while designing code

Software Team Member

Midnight Sun Solar Car Design Team, University of Waterloo

(Nov 2016-Present)

- Developed code in C for the MSP430 microcontroller to control outputs using bitwise operations and interrupts
- Gained experience with the UART communication protocol while creating drivers for the STM32F4 board (currently working on x86 as well)
- Worked with developing environments/tools such as Confluence, Git, JIRA and Hipchat

Math Faculty Ambassador

Math Faculty, University of Waterloo

(Oct 2016-Present)

- Collaborated with other ambassadors to plan, organize and run the University of Waterloo's Fall Open House
- Demonstrated interpersonal and communication skills by answering questions from parents and students and providing guidance when needed

Work Experience

Customer Service/Cashier

Staples, Burlington, ON

(July 2014-Jan 2016)

- Demonstrated interpersonal and problem-solving skills while providing customer assistance, processing purchases, and selling products of the month

Projects (available on Github)

Hockey Rink Lap Timer

- Created a no-touch timer to display and record hockey rink lap times (used an Arduino Micro, 7-segment LEDs and LCD Monitors with inputs such as Infrared Sensors and Buttons)
- Addressed product design with the intended audience to create the timer while also collaborating with another student

Personal Website

- Designed a personal website using HTML/CSS and hosted on Github Pages

Tip Calculator Android App

- Used Android Studio (XML, Java, Material Design) to create an android app that calculates an order total including tip