

Samuel Krisetia

3rd Year Integrated Engineering Student

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EDUCATION

University of British Columbia

Bachelor of Applied Science — Vancouver, BC | Sept 2019 - Present

St. Roberts Catholic High School

International Baccalaureate Diploma — Toronto, ON | Sept 2015 - July 2019

WORK/VOLUNTEER EXPERIENCE

Carpenter Assistant, Floor Covering International

Toronto, ON | Dec 2017 - July 2019

- Assembled various flooring materials along with underlayment
- Ensured the floors were prepared by levelling with concrete
- Assisted in transportation of heavy materials and equipment
- Often worked long hours to finish jobs quickly and on time

Visual Crew Member, Indonesian Christian Church Canada

Toronto, ON | Dec 2015 - July 2019

- Managed multiple displays during live services
- Resolved technological malfunctions in a quick and efficient manner to minimize downtime and delay
- Learned to work collaboratively with other members of the Audio/Visual team to ensure a smooth service

ReStore Volunteer, Habitat for Humanity

Toronto, ON | June 2018 - July 2018

- Engaged with customers to help find and carry their purchase
- Worked as a team to load/unload large furniture to/from delivery trucks

Assistant Cook, Indonesian Christian Church Canada

Toronto, ON | Aug 2017 - Aug 2017

- Organized and prepared a diverse meal plan for serving to 50+ people
- Established a process to more efficiently prepare meals with co-workers

PROJECTS

Synthesizer Glove — Group of 6

- ESP32 controlled glove using flex sensors and Accelerometer/Gyroscope to control a custom designed sound system using HTML and Tone.js library.

Line Following Robot — Individual

- Robot tuned to detect and follow a black line using IR sensors. Programmed on Arduino UNO and H-Bridge for speed control.

Autonomous Claw — Individual

- Sheet metal claw made using hand tools to automatically detect objects using an ultrasonic sensor and open/close accordingly.

SKILLS

Solidworks
Microsoft Office
Hand/Power Tools

PROGRAMMING

Python
C/C++
Javascript
HTML
MATLAB

CERTIFICATIONS

Full G Driver's License
Basic First Aid with
CPR A & AED
CIFS Food Handler
Certification

LANGUAGES

English
French

INTERESTS/HOBBIES

Travelling/ Trying new
experiences
Kendo, Hiking
Piano, Guitar
Cooking