



Jasper Chan

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Technical Skills

Electrical Equipment

- Oscilloscope
- Signal Generator
- Multimeter
- Soldering Iron
- Perfboard/breadboard

Programming Languages

- C, C++
- Java
- Python
- Qt/QML
- MATLAB

Software

- SOLIDWORKS
- Inventor
- EAGLE
- Git
- Linux (multiple distros)

Academic & Co-op Status

- Academic Program:**
- Mechanical Engineering; 3 of 8 academic terms completed;
 - Anticipated date of graduation: May, 2020

- Co-op Status**
- Completed 0/5 Work terms; available for 4 or 8 beginning January, 2018

Technical Projects

Custom 3D Printer

December 2016 - Present

- Designed parts for an i3 based 3D printer
- Added a servo actuated pen to the printhead, allowing for individual layers to be colored while printing

Offline Transit App

June 2017 - Present

- Wrote a Python script to scrape the Translink API for every bus stop and corresponding routes into an SQLite database
- Built an Android app using the database that shows the user nearby bus stops with buttons to query individual bus times

Other Work Experience

Hamilton Kumon (Richmond, BC)

September, 2015 - February, 2016

Tutor/Marker

- Created a personal system to mark students' worksheets quickly
- Taught children mathematics and English at various levels in a friendly manner that fostered self-growth

Volunteer Work Experience

Richmond 19th

September, 2012 - Present

Scout Leader

- Plan and run weekly meetings for youth aged 8-10
- Teach survival and life skills

Education

The University of British Columbia

Expected May 2021

Bachelor of Applied Science - Mechanical Engineering

Professional Affiliations

APEGBC - Member Advantage Program for Students

2015 - Present

Activities and Intrests

- Billiards - summer leagues
- Sports - Ultimate Frisbee, snowboarding