

# Johnny Tsai

📍 Richmond, British Columbia, Canada ✉ johnnytsai97@gmail.com ☎ (604)-828-3166 🌐 in/jmctsaï 🌐 https://www.johnnytsai.ca

---

## EDUCATION

### Bachelor of Computer Engineering

Simon Fraser University • Burnaby, BC • 2021

---

## EXPERIENCE

### IT Intern

York House School

April 2019 - February 2020, Vancouver, BC

- Troubleshoot and provided technology support to mostly staff and occasionally students, as required.
- Tested and deployed Mosyle MDM across over 300 Apple devices (MacBook, iMac, Mac Mini, iPad, AppleTV).
- Assisted with AV related tasks for performances, events, or shows.

### Desktop Support Technician

ResponseTek

January 2018 - August 2018, Vancouver, BC

- Provided IT support from various tickets for employees in office, or in remote office.
- Assisted in variety of tasks related to office move, setup and closure within the 8 months period.
- Configured accounts and computers for onboarding and offboarding of employees.

---

## PROJECTS

### Capstone Project

SFU • August 2021

- Designed and built a robotic lawn sweeper in a group of 6 over a period of 8 months.
- Managed the project to keep team on track with completion of the project meeting the deadline.
- Developed the simple Android mobile application for the controlling the robot via Bluetooth.

### Doodl.io

SFU • September 2020

- Developed a web-based drawing game in a group of 7 using technology such as Node, Express, GCP.
- Designed and implemented the front-end UI and UX for the project using Bootstrap.
- Version controlled the project and peer reviewed pull requests to resolve merge conflicts.

### Personal Website

August 2020

- Designed and deployed my personal website developed with HTML, CSS, and Bootstrap.
- Constantly learning more advanced web development methods, looking to refactor and redesign.

### 3D Printer

December 2019

- Assembled and tested an Ender 3 Pro 3D printer.
- Modified the 3D printer, such as upgrading control board, improving cooling, and adding auto bed leveling.
- Learned Fusion 360 to design simple parts used to replace broken household injection molded plastic bits.

### Home Server

January 2019

- Setup Proxmox running on bare metal, running containers for media streaming, game server, and personal file hosting.
- Configured the systems securely for external access, using custom domain, SSL, reverse proxy.
- Played and tweaked the Proxmox environment to learn about virtualization and networking.

---

## SKILLS

**Software:** HTML, CSS, JavaScript, Bootstrap, Git, Active Directory, Python, C

**Libraries and Framework:** Node.js, Express.js

**Hardware:** PC assembly/maintenance, Soldering, Fusion 360, VHDL, Cadence Virtuoso, HSPICE

**Soft Skills:** Attention to Detail, Problem Solver, Communication, Adaptable