

Tony Liu

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EDUCATION

University of British Columbia

Bachelor of Applied Science in Computer Engineering

Vancouver, BC

Sep 2020 - May 2025

Relevant coursework: *Data structures and algorithms, object-oriented programming, operating systems*

EXPERIENCE

Gurst Experience Guide

May 2022 - Nov 2022

FlyOver Canada

Vancouver, BC

- Edited people's crotches and armpits using [insert name of generic photo editor here] to remove blurs and green blobs, increasing photo sales by 23.6%.
- Scanned up to 500 tickets per day and troubleshooted countless issues with retarded third party resellers giving invalid or unclear vouchers.
- Cleaned the retail store regularly and restocked a variety of memorabilia to increase foot traffic in the retail store.

Frontend Software Developer

Jun 2022 - Sep 2022

The Big Leaf - MyPanion mobile app and Handlers.ca

Remote

- Attempted to program a full stack application using React Native for a nonexistent healthcare startup, but could only get the login page done due to piss poor management from unqualified project managers.
- Refactored handlers.ca to use React, so we can improve responsiveness and visibility of the site to potential customers, all while the owner, Sarah, took a fat ass vacation for the entire duration of my employment.

Youth Volunteer

Jun 2018 - Feb 2020

Calgary Public Library

Calgary, AB

- Taught youth aged 6-12 basic programming skills using scratch, and boy were they better than some first year CS students I've met
- Taught them how to read as well. They were unfortunately a bit less skilled at that than they were at coding, but I accepted the challenge and as a result, improved their reading ability by 25%.

PROJECTS

Note Transcriber | UBC CPEN 291

Feb 2022 - Apr 2022

Python, Flask, CircuitPython, HTML, CSS, React

- Built a device that can take handwritten notes and display them as printed text on screen.
- Programmed an ItsyBitsy M4 microcontroller and four servo motors so that they can move a bunch of chopsticks around to try to grab pages and turn them.
- Incorporated pytesseract machine learning library to translate photos of my messy handwriting to text displayed on screen with piss poor accuracy (it transcribed 'Hello World' to 'Hello Weld').
- Made features to allow users to control the device, such as when to take a photo and when to turn the page, using a React app with 2 buttons.

Unimeetups | CalgaryHacks 2022

Feb 2022

Python, Flask, HTML, CSS, MongoDB

- Programmed a web app for university students to make new friends based on interests and activities.
- Coded scripts using Python to generate suitable matches for users given profile information from a list of 50 university locations and 35 interests, allowing users to connect with matches via friend requests.
- Programmed all aspects of the site, from user authentication to matching algorithm to Frontend UI features, without writing a single line of JavaScript (Fuck JS for real).

Rickyboi Discord Bot | Personal

Oct 2021 - Jan 2022

Python, discord.py, Beautiful Soup

- What the fuck is this? I dont remember making this shit lmao O...o

SKILLS

Languages: Python | Java | JavaScript | TypeScript | C | C++ | HTML | CSS

Frameworks: Svelte | Flask | React | React Native | MongoDB | GraphQL | Node.js | AWS Lambda