

Danny Yu

<https://github.com/yannydu>

Email : danny_yu_2@sfu.ca

Mobile : +1-778-875-3290

EDUCATION

- **Simon Fraser University** Burnaby, BC
• *BASc Engineering Science (Computer Engineering)*

EXPERIENCE

- **Global Relay** Vancouver, BC
• *Software Development Engineer in Test Intern* *Jan 2023 - Aug 2023*
 - **Centralize Test Setup and Cleanup:** Utilized the Trino REST API to implement a single source of truth for regression tests.
 - **Json Stub Builder:** Designed and implemented a tool to replace manual response creation in testing processes.
 - **Thrift Integration for Test Stubs:** Developed Java language bindings from Thrift IDLs and integrated them with Wiremock containers to create test stub responses.
- **Incognito Software Systems Inc.** Vancouver, BC
• *QA Engineer Intern* *Jan 2022 - Aug 2022*
 - **Automated GUI Testing and Regression Management:** Wrote automated tests for product GUIs and maintained a regression test schedule.
 - **Continuous Testing Environment Setup:** Established a Docker and Jenkins-based continuous testing environment to reduce infrastructure overhead.
- **Applied Sciences Outreach** Burnaby, BC
• *Lead Instructor* *June 2021 - Present*
 - **Centralized Survey Response Management:** Developed a Google Apps Script to centralize survey responses to enhance data accessibility.
 - **Survey Dashboard Development:** Created a Python and Dash-based dashboard for analyzing survey trends.

TECHNICAL PROJECTS

- **ChessMate - A Smart Automated Chessboard** OpenCV, Python, C
• *SFU Capstone Project* *Aug 2024*
 - **Board State Detection:** Designed an algorithm that uses a Raspberry Pi camera and OpenCV to capture and analyze chessboard images to determine human player's moves.
 - **Automated Chess Piece Movement:** Developed code to move an electromagnetic trolley to enable chess piece moves.

TECHNICAL SKILLS

- **Languages:** Java, Python, C/C++, SQL **Technologies:** Git, Jenkins, JUnit

EXTRACURRICULARS

- **SFU Faculty of Applied Science (FAS) Student Ambassador :** Provided mentorship to undergraduate engineering students and recruited prospective students.
- **SFU Computing Science Peer Tutor :** Aided undergraduate students to understand course material and approaches to problem solving.