Danny Yu

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Hi, I'm Danny, a Computer Engineering student based in Vancouver, Canada 🇨🇦.
I've worked with automated testing and I'm diving into web development to build up my skills.
I'm always looking for ways to push myself and create software that makes a real impact.

EDUCATION

- **Simon Fraser University** — Burnaby, BC
  BASc Engineering Science (Computer Engineering) — *Expected Graduation: 2025*

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.