

CLARK DARNEILL NOVEROS

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 [ClarkNoveros-SFUCS](#)  [Clark Noveros](#)  www.clarknoveros.com

Technical Skills:

Languages: C, C++, Python, JavaScript, Java, CSS, R

Tools: VSCode, Git, Matlab, Venus

Operating Systems: Ubuntu, Linux, Microsoft Windows, Apple macOS

Web: Docker, Springboot, PostgreSQL, Bootstrap, Thymeleaf

Systems Programming: RISC-V Assembly, C Vector Intrinsics

Transferable Skills:

- Thrives in fast-paced, high-pressure work environments, yet delivering efficiency and quality.
- Demonstrates exceptional versatility and ability to quickly acquire and adapt to new concepts.

Technical Projects:

Data Structure Big-O Notation Analysis and Optimization (Jul. 2025)

Data Structures and Programming: CMPT225, SFU

- Asymptotic Run-Time analysis through the summation of implemented methods, acquiring the optimal DS to use for SFU's library system.
- Run-time analysis on iteration and recursion for the reversal in singly linked lists by implementing definitions and recording the time for each cycle.
- In-depth comparison between Queue ADT vs. Queue STL by measuring its time complexity and understanding how each data structure works.

RISC-V Emulator (Sep. 2025)

Intro. To Computer Systems: CMPT295, SFU

- Developed a RISC-V disassembler by translating 32-bit integer machine code into human-readable assembly code for readability and easy understanding.
- Implemented a RISC-V emulator by using masks and by the help of the ISA card as a guide for specifications and descriptions.
- Bullet proofed the program by running unit tests to ensure complete parsing, PC updates, and instruction decoding.

Numerical Feature-Based Music Genre Classification

Using Supervised Learning Techniques: Utilizing K-Nearest Neighbours (Nov. 2025)

Intro. To Artificial Intelligence: CMPT310, SFU

- We extracted data from Kaggle and ventured for feature dimensionality by gathering subsets of data through Librosa.
- Data refinement was done by re-ordering and inspection of query points using R to reduce noise.
- Trained our model by implementing a supervised learning method through KNN and 10-fold cross validation with the help of Scikit-learn Python packages.

Hackathons

SFU Surge JourneyHacks 2026 (Jan 10)

- Built Grey Day, a Google Gemini–powered weather and planning web app, that expertly curates users with the perfect “rainy day” plan.
- Utilized OpenWeather, Google Gemini, Google Maps APIs for data requests used for the app’s locate, fetch weather, curate the plan functionality.
- This project tackles Vancouver’s notorious weather, earning it the moniker “Raincouver”, our work encourages users to head out for an adventure under the rain.

SFU Surge StormHacks 2025 (Oct 4-5)

- Built LuxBot, a Google Gemini–powered mental-health companion, by integrating computer-vision emotion detection with multimodal AI to enable real-time, adaptive therapeutic conversations.
- Incorporated an animated motivational banner using dynamic front-end components to enhance user engagement and overall interface responsiveness.
- Integrated live facial-expression recognition with a natural-language response pipeline to remove human-computer interaction barrier.

SFU Fall Hacks 2025 (Sep. 27-28)

- Built F1 Stock Match, a platform that maps Formula One teams to their corporate sponsors to help users easily invest and explore in related stock options.
- Implemented JavaScript-based API integrations to retrieve real-time stock data, historical trends, and market projections to provide users with accurate, data-driven investment insights.
- Developed a gradient based landing page with color grading based on each F1 team using CSS library methods for users to be immersed in the notion of speed and elegance of the sport.

Work Experience

McDonald’s Crew Trainer (September 2024 – Present)

Lima Restaurants, Coquitlam, BC

- Ensuring all the procedures delivered and seen are up to high standard.
- Teaches new onboarding crew of their foundations that they must uphold, and standard operating procedures.

Volunteer Experience

Registration Team and Data Collection/Surveys (May 2025)

Web Summit Vancouver 2025, Vancouver, BC

- Supported attendee registration by verifying credentials, managing check-ins, and ensuring efficient flow-through, contributing to a smooth onboarding experience for thousands of participants.
- Conducted on-site data collection and participant surveys using digital tools to gather feedback, track engagement, and support event analytics for post-summit reporting.

CMPT125 Notetaker (Jan 2025)

SFU Centre for Accessible Learning, Burnaby, BC

- Provided valuable support, equitable and fair access to the academic experience for students with disabilities.
- Supported inclusivity by preparing and sharing my notes, all throughout the term that added up to 52 hours of notetaking,.

Education

BSc. in Computing Science (January 2025 – Present)

- Simon Fraser University, Burnaby, British Columbia