

Nolan Bryson

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Professional Summary:

Adaptable and ambitious 3rd-year Computer Science student with a desire for new challenges. Proficient programming skills in Python, C, Java, Bash, and Assembly. Experienced in multiple fields of development, including GUI, Application, Microcontroller/Embedded Systems, Program Optimization, Video Game, and Database. Demonstrates initiative and problem-solving skills through independent projects, such as a Medical Clinic GUI and Record Management System (developed from scratch using Python libraries like PyQt6, Pickle, and JSON).

Technical Projects:

3D Game Engine (Jan 2025 - Present)

- Developed In Visual Studio (C++)
- Vulkan For Graphics API
- Utilizes CMake and Vcpkg

Brightreader (Mar 2025 - Present)

- Web-scraping Application utilizing Puppeteer JS, TypeScript frontend developed on React.
- The script is flagged by update emails Brightspace sends and will scrape all material from each course into a JSON. It then runs text-based material through an LLM to summarize and format material. It takes that and populates the app with the updated data. (Auto-update calendar and account database in progress!)

Current Goal:

To achieve professional-level skill in multi-field development and utilize that experience to educate and assist others.

Relevant Hard Skills

- CMake & Visual Studio
- C++ & C
- Application Development (Python, Java, JS, HTML, CSS, JSON)
- Scripting (Shell, Bash, Python)
- Assembly (Microcontrollers & Embedded Systems)
- Mathematical Coding (Python & MATLAB)
- Familiar with Linux (Ubuntu), Windows, macOS, Android, AVR/Arduino

Relevant Soft Skills

- Multitasking Abilities
- Workflow Planning
- Process Optimization
- Data Documentation
- Teamwork
- Attention to Detail
- Active Listening
- Effective Communication
- Adaptability

Special Interests and Hobbies

- Music, playing guitar
- Health & Fitness
- Drawing
- Reading
- Coding/ Full-Stack Web & Game Development
- Cooking & Baking
- Learning New Things

Work Experience

MAY 2024 - AUG 2024 (Full-Time Seasonal)

Home Hardware | *Nanaimo, Brooks Landing*

Full-Time Seasonal (May 2024 - Aug 2024)

- Stocker
- Cleaner
- Lift / Power Jack Operator
- Merchandise Truck Loader / Unloader
- Answered Phone Calls
- Management of Online Orders
- Assisted Merchandise Display

Contact: (250) 758-8220

May 2022 - Jan 2024

London Drugs | *Nanaimo, North Town Centre / Victoria, Tillicum Center*

May 2022 - Jan 2024

- Cashier
- Tech Salesman
- Passport Photographer
- Receiver
- Power Jack/ Pallet Jack Operator
- Floor Clerk
- General Cleaner

Contact: North Town Center: (250)-7602030 | Tillicum Center: (250)-360-2654

Education and Certifications

- High School Diploma (Dogwood Diploma), Class of 2022 (DBSS)
- University of Victoria, Current Third-Year Computer Science Student
- Driver's License (Class 7L)
- FoodSafe Level 1

References

Sam Wiebe

Cell: (250)-713-6466

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Ryeden Caswell

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Dylan Fee

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Email: dylan_fee@hotmail.com

Jared Pagani - (Home Hardware Manager)

Email: jaredpagani@homehardware.ca

Further references available upon request.