

Nicholas Smelser

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Software Development student in the Computer Systems Technology program at Mohawk College, seeking a co-op position in software or IT. Experienced with programming fundamentals, debugging, and system-level concepts, with a strong analytical mindset and attention to detail. Known for reliability, adaptability, and a strong willingness to learn in fast-paced environments.

Technical Skills

- **Programming:** Python, Java, C, C#, JavaScript, PHP
- **Web Development:** HTML, CSS, React, Bootstrap, WordPress
- **Software Foundations:** Object-Oriented Programming (OOP), data structures & algorithms, debugging
- **Databases:** MySQL, SQL Server Express
- **Version Control & Tools:** Git, GitHub, IntelliJ IDEA, Visual Studio Code, .NET, Keil uVision
- **Embedded Systems:** Microcontroller architecture, memory-mapped I/O, bare-metal C firmware development
- **Testing & Quality:** Unit testing fundamentals, software quality principles

Work Experience

Produce Clerk

Sobeys - Dunnville, ON

November 2024 – Present

- Maintained product freshness and minimized shrink by following FIFO rotation, performing regular quality checks, and removing damaged or expired items
- Kept produce displays clean, attractive, and fully stocked; misted and faced products to enhance visual appeal and customer experience
- Assisted with unloading produce deliveries and organized backroom coolers to ensure proper storage, temperature control, and efficient restocking

Janitorial Services | Cleaner

Fairweather Property Solutions – Kelowna, BC

October 2022 – July 2024

- Used cleaning equipment to vacuum, mop, and sanitize surfaces, ensuring high cleanliness standards in common areas
- Performed general bathroom upkeep, including restocking supplies and cleaning fixtures
- Followed health and safety guidelines to maintain a hygienic and safe environment
- Managed cleaning supplies and maintained equipment in good working order

Education

Computer Systems Technology, Software Development

Mohawk College - Hamilton, ON

September 2024 – Present

- Mohawk College Entrance Scholarship Award (highest GPA in first semester)

Projects

STM32 Embedded Alarm System

- Built a real-time embedded alarm using STM32 and C, integrating sensor input and speaker output. Implemented low level peripheral control, interrupt-driven detection, and hardware debugging.

JavaFX Library Management System (MySQL)

- Developed a JavaFX desktop application using MVC architecture and a dashboard interface. Connected to MySQL via JDBC to manage books, users, and checkouts, implementing CRUD operations, data persistence, input validation, and basic reporting.