

# Evan Wushke

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## EDUCATION

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### Mount Royal University

*Bachelor of Science in Computer Science, Minor in Mathematics*

- President's Honour Roll 2023, Cumulative GPA: 3.85
- Anticipated Graduation: 2026

Calgary, AB

2021 – Present

## SKILLS

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**Web Development:** Experienced in HTML, CSS, JavaScript, Node.js, Express, Tailwind CSS, and P5.js for building dynamic and responsive web applications.

**Software Development:** Strong foundation in Object-Oriented Programming, Data Structures, Algorithms, and Low-Level Programming for efficient problem-solving.

**Development Tools:** Proficient with Git, Docker, and Linux for version control, containerization, API testing, and system management.

**Operating Systems:** Proficient in Windows, Android, and iOS, ensuring adaptability across different platforms.

**Methodologies:** Familiar with Agile development, Test-Driven Development (TDD), Data Modeling, and Debugging to enhance software reliability and maintainability.

## PROJECTS

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### F1 Dashboard Web Application | *JavaScript, HTML5, CSS, API, Node.js, Express*

Class Project

- Integrated a public API and handling asynchronous requests by developing a real-time Formula 1 data dashboard with a responsive design
- Designed a modular backend architecture using Express.js, ensuring scalability and maintainability of API endpoints.

### Live Recursive Backtracking Pathfinder | *Python, Matplotlib*

Class Project

- Built an interactive visualization tool to solve a 3D variant of the traveling salesman problem.
- analyzed recursion depth and decision points by live rendering a 3D Cartesian Plane through Matplotlib.

### Disk Scheduling Algorithm Visualizer | *JavaScript, Tailwind CSS, P5.js*

Class Project

- Developed a simulator for disk scheduling algorithms using P5.js to animate seek time behavior.
- Designed a dynamic UI allowing users to compare scheduling methods and analyze performance differences.

### Low-Level Retro Game Development | *C, Assembly*

Class Project

- Developed custom drivers and interrupt service routines for a Pacman game made at the hardware level.
- Optimized memory usage and execution speed by refining data structures and minimizing redundant calculations.

## EXPERIENCE

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### Assistant Manager

October 2015 – September 2022

*Christine's No Frills, Calgary, AB*

- Performed managerial tasks including order fulfillment and claims processing to boost efficiency.
- Prioritized time-sensitive tasks to ensure proper storage of goods and maintained well-stocked shop floors.

### Shipper and Receiver

January 2019 – January 2020

*NAPA Auto Parts, Calgary, AB*

- Resolved shipping errors by cross-referencing orders with inventory and implementing corrective measures.
- Handled urgent customer requests and adjusted schedules to meet tight deadlines.
- Collaborated with team members to unload, inspect, and document incoming shipments.

## EXTRA CURRICULAR

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Currently participating in the Health Tech Challenge through Mount Royal's Institute for Innovation and Entrepreneurship. Developed a hardware solution aimed at assisting individuals with disabilities in disaster-affected areas.