James Gohl

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Education

Bachelor of Engineering | Software Engineering, Co-op Option   **Graduating: May 2028**
Carleton University | Ottawa, Ontario   **CGPA: 11.45/12 (A)**

- Second year standing
- Faculty Scholarship ($4000 annually), 2023-2024 Dean's Honour List

Skills

Programming Languages: Java, Python, C

Tools & Technologies: VS Code, Raspberry Pi, Wing IDE, Arduino, ChatGPT, Microsoft Copilot, Logisim

Professional Skills: Teamwork, Time-Management, Organization, Customer Service, Problem-Solving

Applied Projects

Carleton Biomedical Applied Research and Engineering Software Team Member   **Sept 2024 - Present**

- Designed and implemented code using Python, Raspberry Pis, Arduinos, and servo motors to control and enhance a custom prosthetic hand with the goal of competing in the CYBATHLON prosthetic design competition

Text-Based Facebook   **Dec 2024**

- Applied programming techniques including, dynamic memory allocation, linked lists, stacks, queues, user input and error handling to design a text-based Facebook program in C
- Developed a database using C structures storing an ordered list of users and their usernames, passwords, friends and posts

Restaurant Ordering Simulator   **Jan 2022**

- Applied object-oriented programming techniques to build Java classes and objects as the foundation for a text-based restaurant ordering system enhancing technical proficiency in file I/O, modular function design and comprehensive code documentation throughout the project
- Conducted extensive testing and debugging of the program to identify potential software and user issues, implementing effective error handling to ensure a smooth user experience

Work Experience

Recreation Leader | Harcourt Park – Harcout, Ontario   **June 2022 – Sept 2023**

- Managed and organized the summer recreation program for a private park with over 500 cottages allowing members to socialize, get active and engage with their community
- Supervised and coordinated over 30 volunteers for events with up to 300 attendees, ensuring smooth execution of activities such as Canada Day BBQs, bingos, kids' camps and charity fundraisers

Ski Instructor | Big White Ski Resort – Kelowna, British Columbia   **Nov 2022 – Apr 2023**

- Strengthened communication skills by interacting with a diverse global clientele, providing lesson feedback to parents, and by resolving conflicts both on and off the slopes
- Organized events as a member of the social committee for the nearly 200 Big White Ski and Board School employees increasing the overall satisfaction of employees

Volunteer and Extracurricular Activities

Varsity Swimmer | Carleton University Swim Team   **Sept 2023 - Present**

- Committed to training 15 hours a week as a full time student while maintaining an 11.45/12 (A) CGPA

EngFrosh Facilitator | Carleton University   **Sept 2024**

- Facilitated events for the 2024 Carleton University engineering student orientation week, creating a welcoming environment for new students to learn about the school and the Carleton engineering community