

Jared Stephenson

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EDUCATION

University of Victoria – Victoria, BC

Bachelor of Biomedical Engineering, September 2021 – Present

- **Relevant Courses:** Biomaterials and Tissue Engineering, Biomechanical Modelling, Molecular and Cellular Physiology for Engineers

TECHNICAL SKILLS

COMPUTER

- SolidWorks - Completed extensive online tutorials and applied skills in personal projects and course work.
- MS Office – Proficient in Excel for data analysis and Word for report writing in academic settings.

LABORATORY

- Experienced in standard lab procedures with a focus on accuracy and precision.
- Analyzed pressure-driven flow in microfluidic devices, improving fluid behavior understanding for biomedical applications.
- Cultured mammalian cells using aseptic techniques and assessed viability to ensure experimental accuracy.
- Engineered polymeric microspheres for drug delivery with alginate and calcium carbonate, achieving controlled formation and encapsulation.
- Created hollow hydrogel fibers for synthetic veins using a coaxial needle system, simulating vascular structures with controlled thickness.

PROGRAMMING

- Java – Proficient in data structures (lists, stacks, queues, trees, and hash tables) and algorithm design.
- C – Completed coursework on programming fundamentals, including problem-solving techniques.
- Python- Utilized Python libraries such as NumPy, pandas, and Matplotlib to analyze and visualize biomechanical data.

TECHNICAL PROJECTS/ EXTRA CURRICULARS

BME 350 Design Project: Wheelchair-Mounted Disc Golf Launcher

Group Project, January 2025 – Present

- Designed and built an accessible disc golf launcher for wheelchair users, enabling participation in physical education classes.
- Collaborated on mechanical design (SolidWorks), prototyping, and testing to refine performance and usability.

Victoria Hand Project – Victoria, BC

Volunteer, January 2025 – Present

- Assembled 3D-printed prosthetic hands, ensuring precision and quality in alignment with project standards.

UVic Formula SAE Team– Victoria, BC

IV Powertrain Member, June 2023 – January 2024

- Collaborated with a multidisciplinary team to design, analyze, and manufacture a high-performance, formula-style race car for international competition.
- Worked with tools such as SolidWorks and MATLAB to design and simulate components like the drivetrain, intake, and exhaust systems.

WORK EXPERIENCE

Dublin Crossing – Langley. BC

Server/Bartender, May 2025 – December 2025

- Maintained accuracy and efficiency under time constraints while overseeing several tables and a high volume of service.
- Successfully interacted with a variety of guests and calmly handled problems in busy environments.
- Coordinated with the bar and kitchen staff to provide reliable, outstanding service.

Starbucks – Victoria. BC

Barista, October 2022 – August 2024

- Communicated with customers in a straightforward, friendly manner and promptly adapted to their constantly shifting requirements.
- Maintained operational flow at peak hours by collaborating with a team.

CERTIFICATES

OHSE | WHIMIS

September 2023 – September 2026

OHSE | BIOSAFETY AWARENESS

September 2023

AWARDS

- Achieved an entrance scholarship to UVic for maintaining a 90% GPA in high school

REFERENCES

References available upon request