

Andrew W. Taylor --- B.Sc

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EDUCATION

Bachelor of Computer Science	University of British Columbia	Expected Graduation: 2026
<ul style="list-style-type: none">Undergraduate Coursework: Data Structures and Algorithms; Computer Systems and Architecture; Multivariable Calculus; Matrix Algebra; Cognitive Systems Design; Models of Computation; Probability; Software Construction.		
Bachelor of Science: Biology	Trinity Western University	2024 Graduation
<ul style="list-style-type: none">Undergraduate Coursework: Advanced Molecular Biology; Molecular Genetics; Evolutionary Theory; Cellular Biology; Biosynthesis; Biochemistry; Medical Microbiology; Marine Ecology; Plant Ecology; Vertebrate Physiology, Organic Chemistry.		

EXPERIENCE

Developer & Research Assistant	Vitacore Industries Inc.	May 2024 – August 2024
<ul style="list-style-type: none">Used C# (Unity) and Python to create mesh-based and node-based vasculature models, designing a 3D scaffold with multiple arterial networks. Leveraged computational techniques to simulate arterial network generation with up to 10,000 nodes, reducing computation time by over 90% (from several days to a few hours) for biomedical applications.Coded custom electronic systems, integrating hardware with programmatic control and interfaces.		
Chemistry Lab Instructor	Trinity Western University	Fall 2022 – May 2024
<ul style="list-style-type: none">Instructed one lab section each semester, teaching critical chemistry techniques in qualitative and quantitative analysis, including titrations and gravimetric methods.Evaluated student reports and techniques, receiving excellent feedback.Designed data visualizations using Matplotlib and developed a website for instructors to create visualizations, leveraging Python, Flask, CSS, and HTML.		
Lab Assistant	Trinity Western University	Fall 2021 – May 2024
<ul style="list-style-type: none">Prepared chemicals and equipment for chemistry labs, supporting faculty while ensuring adherence to safety protocols.Managed waste disposal in compliance with environmental regulations and maintained meticulous documentation.		
Truck Driver, Labourer	ADR Environmental	Summer 2021 – 2023
<ul style="list-style-type: none">Operating various-sized trucks for a local junk-removal company, responsible for loading/unloading, supervising new employees, and providing excellent customer service.		
Groundskeeper	Self-Employed	Summer 2019 – 2023
<ul style="list-style-type: none">Managed landscaping and maintenance for multiple properties, handling lawn care, seasonal clean-ups, and equipment operation with meticulous attention to detail.		

SERVICE

- Science in the Valley** (2022-2023). Facilitated university chemistry labs for visiting high school classes.
- Discipleship-Group Leader** (2022 – 2023). Led weekly men's Bible study and engaged in fellowship with other student leaders, including training and weekly meetings with mentors.
- Small Group Leader** (2015-2020). Led children's ministry at local church on a weekly basis.

CERTIFICATIONS

- Standard First Aid CPR/AED Level C:** Issued August 2023
- WHMIS (Workplace Hazardous Materials Information System)**

TECHNICAL SKILLS

Languages: Python; C#; JavaScript; HTML; CSS; R
Tools and Technologies: Node.js; GIS; Unity; MS Office; Git
Frameworks: React; Flask