

Alex William Lyle Bannister

Mechanical Engineer and Technologist

@hotmail.com

, Victoria, BC

(Cell)

Competencies

Structural, Fluid, and Electrical Prowess

- Strong understanding of mechanical concepts and design ideas through studies at Camosun College, University of Victoria, and multiple work terms, as well as thermofluidic and aircraft knowledge

Strong Communication and Team Collaboration

- Collaborated effectively with peers to deliver a complex capstone design in the technology program and developed plans for scope recovery in meetings with other engineers at Babcock Canada and ASL Environmental

Computer Aided Design and Modelling Knowledge

- Vast experience using Solidworks, Fusion 360, Inventor, AutoCAD, Siemens NX, Python, and MATLAB to employ mechanical design for clients in capstone projects and general consulting

Microsoft Office Proficiency

- Extensive experience with Word, Excel, PowerPoint, and OneNote through work and mechanical engineering programs

Machining and Hands-On Experience

- Developed strong understanding of practical responsibilities in a machine shop while working with heavy machinery throughout the Technology program at Camosun and at Rainhouse in an iterative design environment

*References available upon request

Employment History

Project Engineer – Rainhouse Manufacturing Canada Ltd (February, 2022-Current)

- Produces technical drawings and design consultation for clients in a manufacturing setting
- Developing strong project management and planning skills with a close-knit team of professionals for large scale manufacture jobs
- Experiencing many design queries where GD&T is an asset to our manufacturing and quality management capabilities

Data Analyst – ASL Environmental Sciences (September-December, 2022)

- Provided data processing and interpretation of oceanographic instrumentation for clients under strict project timelines
- Proficiency in MATLAB developed, as well as dexterous learning of company-specific software under a quick training period

Commissioning Co-op – Babcock Canada (May-August, 2021):

- Assisted in testing and commissioning of systems onboard Victoria class submarines for the Victoria In-Service Support Contract
- Produced an interface for organizing system statuses for workers at the shipyard to alert colleagues of critical system updates

Mechanical Technologist Co-op – Babcock Canada (January-December, 2019):

- Produced technical documents for engineering professional review to help the team at the shipyard move forward with maintenance milestones
- Wrote MATLAB script to present graphical representation of hot-work performed on the submarine in the Esquimalt Dry-Dock

CAD Technician Co-op – Geotech Industries Inc. (September-December, 2018):

- Worked closely with people in trades next to a valued machine shop to repair equipment and create solutions for large industrial firms such as Catalyst (Crofton), Harmac (Nanaimo), and BC Ferries
- Acquired engineering workplace skills related to material specifications and quoting for customers

Education

- Bachelor's in Engineering (Mechanical) Program [pathway in Mechatronics] – University of Victoria (2021-2022)
- Mechanical Technologist Certificate – Camosun College (2016-2018, 2020)

Additional Information

- President of UVic AERO Club (April 2022-July 2023)
 - Basic Drone License (2022)
 - Teamwork and planning experience in competition-related activities for an engineering club
- Class 5 Driver's License

Interests:

Robotics, Woodworking, Running, Biking, Bouldering, Kayaking, Singing, Musical Instrumentation