

Jamal Shipley-Yonge

604-555-1234

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Highlights of Qualifications

- Defined client specifications and desired outcomes for manufacturing project
- Summarized technical findings on Sustainability Assessment for Chemical and Biological Engineering Department
- Prepared proposal and budget for composting infrastructure in Chemical and Biological Engineering Department
- Collaborated with 11 peers on campus in bi-weekly meetings

Technical Skills

Lab Equipment

Power Supplies and Signal, Generators, Soldering Equipment, Probes and Testing Equipment Oscilloscopes and Multimeters, Scales and Pipettes, Gas Gauges and Regulators, Microscopes Dissection Tools

Software

SolidWorks, SolidEdge, C and HTML Programming, Adobe Creative Suite 4, Maple, MS Office

Certifications

Occupational First Aid (Level 1), WHMIS Training and Chemical Lab Safety, Class 5 Drivers Permit

Education

University of British Columbia

Anticipated April 2021

Bachelors Degree of Applied Science, Integrated Engineering

Technical Projects

Tidal Generator Rotor blade Manufacturing Process

2020

- Received client specifications for a 3 meter tall, helical arcing rotor blade for tidal energy production
- Investigated materials and manufacturing processes suitable for this application and design
- Consulted with a SME client to ensure the final process meets the ideal specifications
- Created a prototype with the process to use for similitude testing

Structural Analysis of Gingerbread

2020

- Developed and analyzed a testing procedure for small-strength materials, such as gingerbread
- Performed a standardization analysis to control as many factors as possible
- Had the final report profiled in the December edition of UBC Reports

Speed Sensing Tennis Racquet

2019

- Created a system that could measure the strain in a tennis racket and converted the strain to a serve speed
- Isolated the fastest serve in a series and retained that speed
- Displayed speeds from 10 mph - 110 mph and was accurate to within 3 mph

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Additional Experience

Engineers Without Borders, (Volunteer) UBC 2019-2021

Director of Chapter Health

- Recruited 220 volunteers, coordinated all 300 volunteers, and organized member appreciation activities for chapter

Kootenay House, Place Vanier Residence, UBC 2016-2018

Vice President and Treasurer

- Created and managed a budget and organized events for 100 house residents

The Point Restaurant and Tapas Bar, Richmond, BC 2016-2017

Server

- Seated customers, took food and drink orders, and relayed orders to the kitchen
- Ensured that all customers were satisfied with the food and atmosphere in the restaurant

Volunteer Experience

Sustainability Club, UBC 2020

Member

- Collaborated with UBC Sustainability Office to develop an assessment to measure the sustainability of the UBC campus and campus community
- Facilitated a sustainability assessment of Chemical and Biological Engineering Department by scheduling meetings and collecting data as part of a team of 3
- Presented findings of assessment in team of 3 to Department Head
- Marketed a practical composting program

Faculty of Applied Science, UBC 2020

E-Team Member

- Developed and facilitated exciting co-curricular events and professional development workshops for engineering undergraduates
- Worked with a team of 11 other peer leaders with bi-weekly meetings

Awards and Recognitions

Trek Excellence Scholarship, UBC 2020

- Awarded to top 5% of Faculty based on academic merit

Dean's Honors List, UBC 2020

- Awarded to students achieving greater than 85% average at the University

British Columbia Chess Federation 2021

- Provincial Chess Competition first runner-up out of 150 participants