Sammy Robens-Paradise

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Summary of Skills

- Exceptional written and oral communication skills developed from engagement in team-based professional projects
- Experience building, programming and applying iterative and recursive algorithms for personal learning
- In-depth problem-solving skills and iterative design strengthened through engineering design projects
- Proven initiative; independently established new program standards to increase student enrollment
- Proficient in MS Office suite

Work Experience

Activity Co-Coordinator/Curriculum Designer, Gabriola Island, BC   June 2017 – August 2017
- Demonstrated adaptivity and creativity by building programs to meet specific curriculum requirements, while fostering an engaging learning environment for youth groups ranging from 2 to 120 in size
- Spearheaded multiple initiatives to gamify learning for children aged 8-14

Boating Specialist at Le Parc de la Rivière des Milles Iles, Laval, QB   July 2016 – August 2017
- Worked in francophone environment - comfortably guided customers and administrated park services
- Excellent time management skills used to balance instruction of large volumes of customers in kayak/canoeing techniques, and administration of rental services, ensuring customer safety

Projects

Personal Projects
- Developed algorithm in C++ to approximate physical deflection and moment in construction beam, using arrays, recursion and principles of physics and calculus.
- Iteratively designing, testing and prototyping workload management software against engineering specifications
- Developed iterative and recursive algorithms to approximate infinite sequences in C++
- Iteratively designed and 3D printed complex 3D "nested" puzzle with five levels.
- Designed bar stool "made of words" (stool back spelt out the word "relax" in 3 dimensions using Solid Edge ST7

University of Waterloo Rocketry Design Team
- Active member of sub-team focusing on rocket payload design and payload recovery
- communication and troubleshooting skills to quickly solve problems in team environment, creating vast range of parts in SolidWorks.
- Independently developed critical CAD models for rocket's complex systems

Education

Systems Design Engineering, University of Waterloo   2017 – 2022
- Candidate for Bachelors of Applied Sciences, Graduation 2022

Volunteer Experience

Co-Coordinator and Presenter at Flex Enriched Academic Program's Information Night for Prospective Students
- Increased program enrollment by 50% from previous year by re-designing program's information delivery method
- Transformed event from faculty led, to student led initiative, introducing students as keynote speakers
- Researched applicant background to pinpoint problem, and iteratively developed new program synopsis and template that previously did not exist, providing in depth information for applicants

Organizer and Key Speaker/Presenter at YWCA interactive Workshop
- Led multiple workshops on importance of consent and healthy relationships for over 100 youth
- Researched field to provide comprehensive analogies and examples of workshop's importance
- Member of YWCA's youth advisory committee, worked in a team environment creating workshops and resources for youth

Interests
- Adaptive technology, IOT, applications of user-centered design and innovative design
- Studied music and guitar at Sarah McLachlan School of Music, Competitive Soccer (since 2005)