

Muiz Sohani

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Summary of Qualifications

- Expanded knowledge of SolidWorks through academic experience and engineering clubs
- Developed web design skills and knowledge of HTML and CSS by designing a personal webpage
- Gained basic familiarity of C# and C++ through academic projects
- Developed verbal and written communication skills from executive academic leadership positions
- Extensive graphic design and visual presentation skills with Canva gained from work experience as a Research Operations Assistant

Relevant Projects

SOLIDWORKS PROJECTS

Nov. 2018 - Dec. 2018

- Rendered 3D models of the Blue Mosque, vehicles and mechanical parts using SolidWorks to be 3D printed

MINIATURE TRUCK

Oct. 2018

- Used machine shop skills to create a miniature model of a pick-up truck out of wood and metal pieces

SENSORY BASED TOY

Sept. 2018 - Nov. 2018

- Designed and prototyped a sensory toy to aid non-verbal autistic children develop communication skills
- Improved user experience of toy by creating personas to develop a product that satisfied user needs
- Tested prototype durability and user engagement to measure product success using surveys and drop tests

Relevant Experience

MECHANICAL PARTS DESIGNER

UW BioMechatronics Design Team

Dec. 2018 - Present

- Create and design 3D parts on SolidWorks for prosthetic solutions to address biomechanic issues
- Design prosthetic solutions for people in need by researching techniques for biomedical solutions
- Attend technical workshops to develop technical skills such as 3D modelling and 3D printing

JUNIOR QUALITY ANALYST

KMS Innovations Inc.

June 2018 - Sept. 2018

- Determine hardware design issues in tracking device to reduce possibility of dysfunctionality in operation
- Improve user experience of mobile vehicle tracking devices by testing and debugging tracking software

RESEARCH OPERATIONS ASSISTANT

Trillium Health Partners

June 2017 - Aug. 2017

- Investigated hardware design issues in tracking device to reduce possibility of dysfunctionality in operation
- Improve user experience of mobile vehicle tracking devices by testing and debugging tracking software

Education

UNIVERSITY OF WATERLOO

Candidate for Bachelor of Applied Science in Biomedical Engineering
Sept. 2018-April 2023

Achievements and Certification

CHACHRA FAMILY SCHOLARSHIP

Sept. 2018

One of two recipients awarded \$2000 for outstanding extracurricular and academic performance

WHMIS

Sept. 2018