

# Muiz Sohani

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## Summary of Qualifications

- Expanded knowledge of SolidWorks through academic experience and engineering teams
- Developed web design skills and knowledge of HTML and CSS by designing a personal webpage
- Gained working knowledge 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 and Sketch 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 printing and Arduino

### JUNIOR QUALITY ANALYST

#### KMS Innovations Inc.

June 2018 - Sept. 2018

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

### RESEARCH OPERATIONS ASSISTANT

#### Trillium Health Partners

June 2017 - Aug. 2017

- Designed documents and modules to inform shareholders about research processes and procedures
- Worked alongside Web Developers to design Research section of Trillium Health Partners' website
- Researched and presented solutions for communication disconnects within company to department

## 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