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

MEDICAL DEVICE TESTING SPECIALIST
Focal Healthcare Inc.
Apr. 2019 - Aug. 2019

- Rapidly prototyped calibration tools using SolidWorks to improve imaging hardware and software accuracy
- Employed quality assurance methodologies to develop test cases to increase testing productivity by 50%
- Reviewed specifications and requirements to ensure devices are operating according to international standards

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

DESIGN LEAD
Biotechnology and Bioengineering Conference
Jan. 2019 - Present

- Develop and maintain a webpage using JavaScript and Figma to market and host conference information
- Lead the implementation of engaging and informational graphic conference materials to increase participant engagement and sponsor awareness
- Organize purchasing of outreach and delegate items to ensure materials are within budget and of high quality

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