

Muiz Sohani

2A BIOMEDICAL ENGINEERING

MUIZ.SOHANI@UWATERLOO.CA

647-745-3696

MUIZSOHANI.GITHUB.IO

LINKEDIN.COM/IN/MUIZ-S/

Skills

UX/UI Design

- HTML
- CSS
- JavaScript
- Sketch
- Photoshop
- Figma

Programming

- C#
- C++
- Arduino

Prototyping

- SolidWorks
- Fusion360
- 3D Printing

Education

University of Waterloo

Candidate for BAsC in Biomedical Engineering
Class of 2023

Relevant Experience

DESIGN LEAD

Biotechnology and Bioengineering Conference (BioTEC)

Jan. 2019 - Present

- Hosting and marketing conference information through the development and maintenance of responsive webpages using HTML, CSS and JS
- Presenting graphic design ideas on Figma in an agile environment by wireframing prototypes to optimize design turnover
- Managing website versions with other designers via GitHub to increase development quality and productivity

JUNIOR QUALITY ANALYST

KMS Innovations Inc.

Jun. 2018 - Sept. 2018

- Tested mobile vehicle tracking devices by debugging software and consulting customers to improve UX
- Employed best practices for user interface design while prototyping ideas to developers for tracking software
- Improved hardware design of device by revising clamping mechanism which increased success in operation by 75%

RESEARCH OPERATIONS ASSISTANT

Trillium Health Partners

Jun. 2017 - Aug. 2017

- Collaborated with web developers to improve user experience for Trillium Health Partners' website
- Designed modules using Sketch to increase awareness of the benefits of the investments among shareholders
- Researched and presented solutions for disconnects in communication between departments and directors

MEDICAL DEVICE TESTING SPECIALIST

Focal Healthcare Inc.

Apr. 2019 - Aug. 2019

- Employed quality assurance methodologies to develop test cases that increased testing productivity by 50%
- Improved prostate cancer diagnostic process by rapidly prototyping tools to improve imaging system accuracy
- Reviewed specifications and requirements ensuring devices were operating according to ISO 13485 standards

Applied Projects

SENSORY BASED TOY

Sept. 2018 - Nov. 2018

- Designed a toy using agile design and UX processes to help non-verbal autistic children develop communication skills
- Improved user experience of toy by extracting actionable insights and user needs from customer interactions
- Quantified product success by testing prototype durability and user engagement to using surveys and drop tests

Achievements

CHACHRA FAMILY SCHOLARSHIP

Sept. 2018

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