





ARAS SIDDIQUI

Automation Engineering

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EXPERIENCE

MakerSpace Coordinator | *McMaster University Library, Hamilton, ON.*
May 2019 - April 2020

- Led **53 workshops**, teaching students and staff all MakerSpace machines including 3D printer, laser cutter and PCB mill.
- Worked independently, hired and managed **two** student assistants.
- Developed and updated online training that was completed by **980** students.
- Represented MakerSpace at external events to promote McMaster Library.
- Ensured that safety procedures for the space were always observed by users.

Co-Founder, UX Designer | *Shuttlr, Hamilton, ON.*
March 2017 – September 2017

- Co-founded transportation startup to run shuttle service in areas that are underserved by public transport in Hamilton.
- Won 1st place in HackTheCity competition. Secured place in Forge Incubator.
- Managed team of **three**. Ran **Design sprint** with an Agile approach.
- Designed **UX/UI** for mobile app in Adobe experience design.
- Reached out to over 100 people to determine target market.

LEADERSHIP EXPERIENCE

Welcome Week Rep | *Off-Campus Orientation Representative*
March 2019 - August 2019

- Planned and ran events catered to 4000+ incoming students.
- Co-Team lead for team of 6 reps, helped communicate important information within team.

BTech Representative | *McMaster Engineering Society*
March 2017 - August 2017

- Increased community engagement by 60% in 2018.
- Secured funding of \$9,000 for B.Tech department for new 3D printer.
- Facilitated communication between Alumni, students and W.Booth department by organizing Alumni Night that had 100+ attendees.

FIRST Robotics Mentor | *Team 4015*
March 2017 - August 2017

- Trained students on lab machines; bandsaw, drill press and hand tools.
- Provided technical support to help build robot, chassis and electrical wiring. Robot competed with over 200 teams across Ontario.

SKILLS

/Design:

- Adobe XD
- Design Thinking
- Figma
- Agile
- Invision
- Design sprint

/Development:

- HTML/CSS
- C++
- JavaScript
- Java

EDUCATION

Bachelor of Technology - Automation
McMaster University

September 2016 – December 2022

- Integrated Program of McMaster and Mohawk.
- Completed Business courses in Quality & Project management.

PROJECTS

Automated Greenhouse

- Monitors moisture, light, temperature for a plant.
- The system works from a single Arduino and multiple sensors.

Self Balance Robot

- Built a two-wheel robot using gyro sensor to balance itself.

INTERESTS

I enjoy exploring VR and Mixed reality projects. I am a 3D printing enthusiast. I make websites for fun.