Aditi Maheshwari

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B.A.Sc in Engineering Science | University of Toronto
Robotics Major, Artificial Intelligence Minor, Business Certificate **| Sept 2017 - present**

ABOUT ME

A diligent and committed learner, adept in using organizational and leadership skills to achieve goals and accomplish tasks. Proficient candidate for working in a team to solve real-life engineering design problems using innovative solutions. Seeking to leverage and further develop technical & analytical skills, and knowledge in artificial intelligence applications.

SKILLS SUMMARY

- Python; TensorFlow; MATLAB; Microsoft Office Suite: Word, Publisher, Excel & PPT; WordPress; Latex
- *In the process of learning:* PyTorch, ROS, MySQL, HTML, CSS, JavaScript | *Previous Experience with:* C, Java, Arduino, Verilog

WORK EXPERIENCE

Automation/Mechatronics Engineer at InkBox R&D — **June 2020 - present**
- Developing software using python to streamline workflows for data processing, safety analysis, & product quality control
- Researching and implementing machine learning & AI applications for product testing and consumer use
- Co-designing and running human experiments on product testing and for workflow software improvements

UofT Division of Engineering Science Summer Internship — **May 2019 - Sept. 2019**
- Built the EngSci Orientation blog website using WordPress, targeted for over 300 students
- Authored 2-3 blog weekly posts on interesting & valuable topics; website had over 18 000 pageviews in a span of 4 months
- Launched and marketed the first ever EngSci Meetup program for student development & outreach

Summer Camp Counsellor for the Town of Ajax — **July 2017 - Aug. 2017, July 2018 - Aug. 2018**
- Designed activities/events for kids on a daily basis; led fundraising/advertising initiatives for end-of-summer party; Increased camper participation and involvement by over 40%

DESIGN PROJECTS

Competitive Innovation Consultant at MindSumo (Part of MBO Partners) — **Dec. 2020 - present**
- Solving weekly design challenges sponsored by renowned companies
- Chosen as a winner for 80% of competitions entered (MindSumo average is 20%)

Microsoft Discover AI Journey Design Sprints — **June. 2020 - Sept. 2020**
- 1st place for powering disaster relief with electric mobility and AI (sprint 5)
- 1st place for toxic comment detection (sprint 4)
- 3rd place for a reporting & retrieval app of lost valuables (sprint 3)

Machine Learning Airbnb Pricing Prediction Model — **Sept. 2019 - Jan. 2020**
- Developed a ML regression model using historical house listings data (like house attributes & location) to predict rental prices for new hosts

Autonomous Tire Stacking Robot - Ranked 2nd out of 21 teams — **Jan. 2019 - Apr. 2019**
- Designed and built from scratch to detect poles and autonomously drop tires based on environmental input (i.e. travel distance, number of tires existing, etc.); programmed using C and Arduino

EXTRACURRICULARS

Engineering Science Education Conference (ESEC) Chair — **Apr. 2020 - Jan. 2021**
- Developed list of 8 potential speakers for the conference attended by 600+ students
- Collaborated with External Relations Officer to organize Fireside Chats and talks over Hopin
- Recruited and oversaw team of over 15 volunteers assisting with conference day logistics

Engineering Science Alumni Dinner 2020 Co-Chair — **Dec. 2019 - Jan. 2021**

Hi-Skule (Engineering Outreach) Webmaster & former Tech Director — **Sept. 2018 - May 2020**

Campus Tours Committee Chair for Student Orientation & Frosh Leader since 2018 — **Apr. 2019 - Sept. 2019**
- Created a 6-hour schedule for over 1200 students distributed in 18 groups, avoiding any location overlap
- Trained and organized unique content for designated students from each group

AWARDS

Town of Ajax - Director's Award (Outstanding Leadership, Collaboration, & Innovative ideas) — **Aug. 2018**

U of T Faculty of Applied Science & Engineering - Dean's Honour List (80+% average) — **Jan. 2018, May 2018**

U of T Scholar ($10 000 scholarship) — **Sept. 2017**