VARUN JAIN

STUDENT

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EDUCATION

Integrated Biomedical Engineering and Health Sciences
McMaster University

📅 September 2018 – Ongoing   📍 Hamilton, Ontario

- Enrolled in Canada's only interdisciplinary undergraduate program between both **Engineering** and **Health Sciences**
- Designed a series of **Biomedical-related Design Projects** using computer-aided design, computation, and materials science
- Expected Graduation: **May 2023**

EXPERIENCE

Back-End Developer
Trainer+

📅 May 2019 – September 2019   📍 Toronto, Ontario

- Create the back-end for Trainer+ Web and Mobile Applications using **Python** specifically a **Django** Framework through models and API endpoints
- Create a **Machine Learning and AI** chat bot with a relatively high confidence rate to predict and guide users

Software and Content Development Intern
ConversationHEALTH

📅 May 2018 – August 2018   📍 Toronto, Ontario

- Used **Node.js** and related technical skills to create health chatbots
- Obtained credible information through **research** for conversation flows
- Led the Training and Improvement of **NLU** for the bot

EXTRA-CURRICULAR ACTIVITIES

Senior Communications Executive
McMaster Design League

📅 October 2018 – Ongoing   📍 Hamilton, Ontario

- Communicated with companies and industry professionals regarding sponsorship of events (Designathon)
- Held a 36 hour designathon, hosting and accomodating 300 students

Sponsorship Executive
DeltaHacks

📅 October 2018 – Ongoing   📍 Hamilton, Ontario

- Communicated with companies and industry professionals regarding sponsorship and judging
- Raised over **$75 000** from sponsors

PROJECTS

Commuze
PCHacks

📅 May 2019

- Created an **iOS mobile application** in **Swift** that informs user when they are near their destination
- Uses Geo-fences to detect if user is in destination radius
- http://bit.ly/Commuze

Cardio-Safe
McMaster University

📅 March 2019

- Created an **Android application** that detects whether a user is prone to Coronary Artery Disease symptoms
- Displays sensor data from a **Raspberry Pi** through an MQTT server
- Used **Twilio API** to notify user for warnings
- http://bit.ly/Cardio-Safe

FuelPlan
HackWestern V

📅 Nov 2018

- Created a google chrome extension that calculates fuel cost for trips on Google Maps dependent on the user's car
- Used data from US Government to calculate fuel economy for all vehicles
- http://bit.ly/FuelPlan-V

SKILLS

Hard-working   Motivator & Leader   Collaborative   Persistent

Python   JavaScript   Swift   HTML / CSS   Django   Node.js   Open-CV   Computer Aided Design   Raspberry Pi