

## SUMMARY

- » Searching for full-time positions for Summer 2021
  - » Excels in a team environment
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## EDUCATION

McMASTER UNIVERSITY Sep 2016 - Ongoing  
*Bachelor of Mechatronics Engineering (Co-op)*  
*Minor in Business*

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## WORK EXPERIENCE

- » Communications Assistant at McMaster University Sep 2020 - Apr 2021  
*Created and edited graphics, webpages, postcards, and other content. Worked on small tasks and larger projects including a Holiday Cookbook, Discord Server, a faculty member's website, and more.*
  - » Design Engineering Associate at Celestica Aerospace & Defense Sep 2019 - Aug 2020  
*Part of a team that conducted Value Engineering on **avionic modules** and systems. Worked closely with customers and Supply Chain. Improved **project management** skills with a fast-paced parallel workload. Ideated and developed **Power BI** dashboards to improve productivity company-wide.*
  - » Intermediate Security Analyst at BMO Financial Group May - Aug 2019  
*Part of a team that assessed vulnerabilities in Payment Security and Customer Identity & Access Management. Automated processes using Microsoft **InfoPath** and **Sharepoint**.*
  - » Service Desk Assistant at Lyons New Media Centre Sep 2018 - May 2019  
*Assisted library patrons at the help desk. Created digital signage using the **Adobe Creative Suite**. Maintained **Ultimaker 3D Printers**.*
  - » Teaching Assistant at Faculty of Engineering, McMaster University Sep 2017 – Apr 2019  
*Taught students Computer Aided Design (CAD) using **Autodesk Inventor**. Introduced them to **design for manufacturing** and **rapid prototyping** through 3D printing.*
  - » Field Technician at Bell Technical Solutions May - Jun 2018  
*Provided installation, maintenance, and repair services for internet and telephony on behalf of Bell Canada.*
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## EXTRACURRICULAR & VOLUNTEER WORK

- » Co-President of DeltaHacks V Apr 2018 – Mar 2019  
*McMaster University's annual **hackathon for change**. Led a team of 45 volunteers who helped organize the largest DeltaHacks ever, doubling attendance and securing record funding.*
- » Chairperson at McMaster Model United Nations Sep 2017 – Mar 2019  
*Chaired at a forum that encourages **public speaking** and **debate** regarding international issues.*

# Abhayraj Jain

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- » Lead Mentor at FIRST Robotics Team 6878 Sep 2017 – Apr 2018  
*Introduced high school students to the process of **designing**, **programming**, and operating a **robot**.*

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## PROJECT WORK

- » LOC8R Winner at Hack the North 2017  
*Part of a team that built a real-time bike tracking system using an **Arduino** programmed in **C** powered by a **stepper motor charging system**. Coded client and server **Android apps** with a **Firebase** backend.*
- » VRBots Winner at Red Bull AdrenaLAN Hackathon 2018  
*Built a robot controlled through a **Unity VR** game connected to a **Raspberry Pi** running **MQTT**.*
- » DBot 2017  
*Built a customized Computer and Numerically Controlled (**CNC**) **3D Printer**.*
- » Milano Winner at McMaster Advanced Sumobot Competition 2018  
*Built an **autonomous** tank-like robot that relied on sensors to detect and attack the opponent.*
- » The CISCO Top 10 at McMaster 1P03 Engineering Showcase 2016  
*Built a device that enables a wheelchair user to open a non-handicap enabled door.*
- » [DeltaHacks.com](http://DeltaHacks.com) 2018  
*Built a website for DeltaHacks using **GatsbyJS**, a **JavaScript** framework. Implemented **ReactJS** modules.*
- » Linux Server 2019  
*Set up a CentOS server running instances of HomeAssistant, Plex, OpenVPN, and Apache WebServer.*

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## HOBBIES & INTERESTS

*Formula 1, Music, and Reading Science Fiction*