

# Jaavin Mohanakumar

jaavinjm123@gmail.com ❖ (416) 835-5129 ❖ [jaavin.ca](http://jaavin.ca) ❖ Mississauga, ON

---

## EXPERIENCE

---

**Assistant Project Manager** | [McMaster Rocketry Team](#) | Hamilton, ON **Nov. 2022 – Present**

- Work with the controls team as a point of contact between the sub-team and the project manager
- Responsible for preliminary design review presentation for a panel of Launch Canada 2023 judges
- Worked on the IREC Spaceport America Cup 2023 Project Technical Report overviews our design
- **Skills:** Team Coordination, Technical Reports, Design Presentation, Control Systems

**Software Development Co-Lead** | [FIRST Robotics Team 1325](#) | Mississauga, ON **Sept. 2019 – June 2022**

- Led the design, discussion, implementation, testing of software systems for a 120lb competitive robot
- Worked in autonomous programming, control systems and computer vision on a robot that has won many competitions, and awarded the Excellence in Engineering Award at FIRST World Championship in Houston
- **Skills:** Java, WPILIB, Swing, PID Controllers

**Front-End Developer** | [Huff Language](#) | Remote **June 2022 – Aug. 2022**

- Rebuilt homepage, resources and contributing pages for website used by over 5 thousand active users
- Spearheaded creation of main page grid layout to improve UI/UX and streamline accessibility in design
- **Skills:** CSS, VuePress, Solidity

**Committee Member** | [Engineering 1 Operating Committee](#) | Hamilton, ON **Oct. 2022 – Present**

- Consulted with the director of engineering, administrators, and instructors about enhancing the Engineering 1 program, as a student voice for over 1000 engineering 1 students
- Developed strategies to provide 200+ students at risk with support centers for math, chemistry, and physics
- Reviewed Canadian Engineering Accreditation Board(CEAB) Attribute Summary to assess the school's goals

**Engineering Ambassador** | [Faculty of Engineering](#) | Hamilton, ON **Sept. 2022 – Present**

- Guiding tours of the department to 50+ prospective high school students in the span of 3 months

## PROJECTS

---

**Front-End Developer** | [Route Mixer](#) **Nov. 2022 – Nov. 2022**

- Designed the frontend for website, and implementing the Google Maps API using a React Wrapper Library

**Back-End Developer** | [Flashback-IRC](#) **Aug. 2020 – Aug. 2020**

- Implemented the user and groups models for the website using the Django REST framework

## EDUCATION

---

**McMaster University** **Sept. 2022 – Apr. 2027**

*Bachelor of Engineering, Engineering 1*

*Hamilton, ON*

- Admitted with the Faculty of Engineering Award of Excellence Scholarship (Final Admission Average 95%+)

## SKILLS & INTERESTS

---

- **Skills**
  - **Langages:** Java, Python, Javascript, HTML5, CSS3, SQL, Bash, Solidity
  - **Frameworks and Libraries:** React, Django, NodeJS, Jest, REST, Flask, Google Cloud Platform
  - **Technologies:** Git/Github, Azure, Linux, VSCode, IntelliJ, Autodesk Inventor
- **Interests:** sleeping; coding; taking my dog to the park; gaming; robotics; rockets!