

Aidan Mathew

647-989-3736 | mathea40@mcmaster.ca | <http://www.linkedin.com/in/Aidan-Mathew> | <https://aidanmathew.github.io>

EDUCATION

McMaster University (B.Eng.Mgt)

Hamilton, ON

Bachelor of Computer Engineering and Management

Sept. 2020 – Apr. 2025 (Expected)

- **GPA: 3.95/4.00**
- McMaster Honor Award (\$1000) | Dean's Honor List Recipient (May. 2021)
- McMaster Engineering Student Ambassador | McMaster Engineering Society Mentor

TECHNICAL SKILLS

Languages: Python • Java • C/C++ • R • SQL (PGAdmin) • JavaScript • Matlab • LaTeX • Verilog

Web Development: HTML5 • CSS3 • Bootstrap 4 • React.js • Material-UI • Node.js

Data Science: Matplotlib • Pandas • Numpy • Sklearn

Tools: VS Code • Git/Github/Gitlab • MS Office • G-suite • Eclipse • Jira • Kanban • R Studio • Slack

EXPERIENCE

Software Developer Co-op

May. 2021 – Aug. 2021

Geotab Inc.

Oakville, ON

- Utilized Figma designs to create dynamic web-pages built on **React.js**, establishing a friendly user experience.
- Followed **REST** principles to efficiently implement data fetch from new table using **REST APIs**.
- Developed UNIT tests using **JEST** and **react testing library**, improving codebase coverage by **2%**.
- Displayed quick learning to optimize workflow with **Gitlab** and **Jira**, following agile sprint methods (SCRUM).
- Showcased self-motivation and communication skills by **actively contributing** to daily stand-up meetings.

EXTRACURRICULAR

Web Developer

Sept. 2021 – Present.

Google Developer Student Club | McMaster University

Hamilton, ON

- Regularly maintained the Google Club website, built on **Firebase**, **Gatsby**, **React**, styled with **Tailwind CSS**.
- Collaborated with a team of developers, practicing agile software development through weekly kanban meetings.

Engineering Faculty Coordinator

May. 2021 – Present.

Artificial Intelligence Society | McMaster University

Hamilton, ON

- Organized outreach to engineering students, resulting in a **10% increase** of general member attendance.
- Connected with **500+ followers**, discussing the applications of AI in Computer Science and Engineering.

VP of CSR

Nov. 2019 – Apr. 2020

Junior Achievement | Pelmorex Corp

Oakville, ON

- Managed and delegated the **Corporate Social Responsibility** team for Toasties (JA company) at Pelmorex.
- Collaborated and communicated with six other departments to successfully donate **10% of profits** to charity.
- Facilitated a **17% return on investment** through product sales, a result of teamwork and dedication.

PROJECTS

The Covid Counter | *MacHacks | McMaster University*

Jan. 2021 – Feb. 2021

- Implemented a **linear regression model** to predict the number of new COVID-19 cases in Ontario, Canada.
- Created an **automated program** in python, using data science libraries: **NumPy**, **Pandas**, and **Scikit-Learn**.
- Employed **request libraries** to open CSV files and read data, extracting only the required parameters.
- Centralized raw information, improving **data visualization skills** with matplotlib to reach useful conclusions.

Remote Sensing System | *Project Manager | McMaster University*

Oct. 2020 – Feb. 2021

- Expanded **python programming skills** by developing an efficient algorithm using 2 muscle sensor emulators.
- Engineered a system that safely transfers 3 different **surgical instruments** to an autoclave for sterilization.
- Led team of 4 by creating preliminary **GANTT charts** and organizing meetings as the **project manager**.

INTERESTS

Looking to Learn: Typescript • AWS • Azure • OWASP Top 10 • Docker • CI/CD Pipelines • GCP • MySQL

Interests: Full-Stack Development • Cyber Security • Data Science • Machine Learning • Cloud Computing