

# Aidan Mathew

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## EDUCATION

### McMaster University (B.Eng.Mgt)

Sept. 2020 – Apr. 2025

*Bachelor of Computer Engineering and Management*

*Hamilton, ON*

- **GPA: 3.8/4.0**
- McMaster Honor Award (\$1000) | Dean's Honor List Recipient (May. 2021, May. 2022)
- McMaster Engineering Student Ambassador | McMaster Engineering Society Student Mentor

## SKILLS

**Programming Languages:** Python • Swift • JavaScript • Java • C/C++ • SQL

**Web Development:** HTML5 • CSS3 • Bootstrap 4 • React.js • react-router-dom • Material-UI • Node.js

**Data Science:** Matplotlib • Pandas • Numpy • Sklearn • R-Studio • Matlab

**Tools:** Git • Jira • MS Office • Databases (Realm, PgAdmin) • Confluence • Azure DevOps Pipeline • XCode

## EXPERIENCE

### Software Engineer Co-op [↗](#)

May. 2022 – Aug. 2022

*PointClickCare*

*Mississauga, ON*

- Assisted in the development of a new iOS application by creating solutions in **Swift** to solve user reported issues.
- Defined, automated, and executed unit tests (**XCTest**), ensuring functionality of the features being developed.
- Successfully migrated database schema (**Realm**) for adding and changing properties when upgrading app version.
- Added document questions to **25+** charting assessments, improving clinicians' ability to record patient data.
- Utilized **Azure DevOps** pipeline in order to verify the status of development branches in Bit-bucket (CI/CD).
- Participated in the full software development life-cycle by communicating with a **SCRUM team** on a daily basis.

### 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 user-friendly 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).

## EXTRACURRICULAR

### Web Developer Team Member [↗](#)

Sept. 2021 – Apr. 2022.

*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.

### POST Study Project Member [↗](#)

Nov. 2021 – Mar. 2022

*Artificial Intelligence Society | McMaster University*

*Hamilton, ON*

- Developed skills in **data cleaning**, parsing, and organization through the handling of large real world data sets.
- Utilized **ML techniques** to understand real world patterns and **develop models** regarding patient research.

## PROJECTS

### Personal Website [↗](#) | Self-Taught

Jul. 2022 – Aug. 2022

- Designed a website built on **React.js**, styled with **Material-UI** to display personal projects and experiences.
- Applied multi-page functionality with **react-router-dom**, allowing for simple and efficient site navigation.

### 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 access CSV files, centralizing raw data with matplotlib to draw useful conclusions.

## INTERESTS

**Looking to Learn:** Typescript • AWS • Azure • Ruby on Rails • Docker • CI/CD Pipelines • GCP • Scala

**Interests:** Full-Stack Development • Cyber Security • Data Science • Machine Learning • iOS Development