Aidan Mathew

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EDUCATION

McMaster University (B.Eng.Mgt) — Hamilton, ON
Bachelor of Computer Engineering and Management — *Sept. 2020 – Apr.2025 (Expected)*
- **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 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 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).

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