Ryan Ma

ryanma22303@gmail.com | (929) 310-7961 | github.com/rmmhm | Bayside, NY

EDUCATION

Georgia Institute of Technology | College of Computing   **Expected December 2024**

Bachelor of Science in Computer Science | GPA: 3.88   Dean's List, Faculty Honors

Threads: Artificial Intelligence, Systems & Architectures

EXPERIENCE

Georgia Tech Student Government Association IT Board - Software Engineer   **March 2023 - Present**

Next, HTML, CSS

- Improve and maintain applications used to automate and support internal SGA processes and student funding requests
- Learn about SGA functions and how to make meaningful contributions that benefit the Georgia Tech community

Unfound — Software Engineer Intern   **January 2023 - Present**

React Native, PostgreSQL

- Collaborate with interns to design and implement features for a mobile application to add and improve existing capabilities
- Develop a companion web application to have another medium of accessing Unfound increasing monthly users
- Test and debug new and existing features on Android to ensure functionality and improve user reviews

Health Informatics on FHIR — Software Engineer   **August 2022 - Present**

PostgreSQL, Express, React, Node, HTML, CSS

- Engineer a web application converting user input into Fast Health Interoperability Resources structured documents adhering to HL7 and Clinical Documentation Architecture, resulting in more efficient patient data turnaround rates between clinics
- Orchestrate weekly design sessions using Figma for frontend-backend interactions and UI to improve app user experience

Optum Technology Development Program — TDP Intern   **June 2022 - August 2022**

MongoDB, Express, React, Node, HTML, CSS

- Created a proof of concept web application in a 4-person team for matching acquired entity capabilities to roadmaps for integration into the United Healthcare ecosystem
- Analyzed sample acquisitions and roadmaps to formulate a matching algorithm to be used saving 100s of hours of meetings between architects and integration team members

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OTHER WORK EXPERIENCE

OIT Audiovisual Services Student Assistant, Georgia Institute of Technology   **September 2022 - Present**

IT Student Assistant, Binghamton University School of Management   **September 2021 - May 2022**

Barista, 2nd Heaven   **September 2021 - May 2022**

SKILLS

Languages: Java, Javascript, Python

Frameworks: React, Express, Node, Svelte

Tools: Git, Github, MongoDB, VSCode

Concepts: Object Oriented Programming, Data Structures and Algorithms, Agile Development Process