

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: 3.78

Dean's List

Threads: Artificial Intelligence, Systems & Architectures

Binghamton University | Thomas J. Watson School of Engineering

August 2021 - May 2022

Bachelor of Science in Computer Science | GPA: 3.65

EXPERIENCE

Unfound — Software Engineer Intern

January 2023 - Present

React Native, PostgreSQL

- Collaborate with other interns to design and implement features onto a mobile application to improve usability
- Familiarize with the Unfound technology stack and production flow in order to make meaningful contributions

Health Informatics on FHIR — Software Engineer

August 2022 - Present

React, HTML, CSS, Java, Hapi FHIR JPA database

- Develop a web application which converts user input into FHIR structured documents adhering to HL7 and Clinical Documentation Architecture for clinics to efficiently send and receive patient data.
- Orchestrate weekly design sessions using Figma for frontend-backend interactions and user interfaces

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

Stuyvesant Software Development Course — Software Lead/Software Engineer

September 2020 - June 2021

Python, HTML, CSS, Flask, SQL

- Learned the backend and frontend components of web applications to build teacher-assigned and personal projects
- Led 4-person teams and worked as a team member to understand the roles of a development cycle

FRC Team 694 StuyPulse — Software Engineer

October 2017 - June 2021

Java

- Designed and engineered award-winning functional robots to participate in FRC competitions
 - Organized and taught lessons in classes of 5-10 newer team members on Java (OOP) and WPILIB to prepare them for working on the competition robot
-

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

Tools: Git, Github, MongoDB, VSCode