

Ryan Ma

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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

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
- Test and debug to ensure functionality in every element to improve app depth and user feedback

Health Informatics on FHIR — Software Engineer

August 2022 - Present

PostgreSQL, Express, React, Node, HTML, CSS

- 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 UI to improve the 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

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 on Java (OOP) and WPILIB to prepare 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

Tools: Git, Github, MongoDB, VSCode

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