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 on Android to deliver an application according to user research and feedback improving application 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

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

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