

# Ryan Ma

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## EDUCATION

**Georgia Institute of Technology | College of Computing**

Bachelor of Science in Computer Science | GPA: 3.78

**Threads:** Artificial Intelligence, Systems & Architectures

**Binghamton University | Thomas J. Watson School of Engineering**

Bachelor of Science in Computer Science | GPA: 3.65

**Expected December 2024**

Dean's List

**August 2021 - May 2022**

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## 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
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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**

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## SKILLS

**Languages:** Java, Javascript, Python

**Frameworks:** React, Express, Node

**Tools:** Git, Github, MongoDB, VSCode

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