xRyan 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

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
- 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

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