Ryan Nasr

404-539-6090 | rnasr6@gatech.edu | linkedin.com/in/ryan-c-nasr | ryannasr11.github.io/website_ | U.S Citizen

EDUCATION

Georgia Institute of Technology — Atlanta, GA
Bachelor of Science in Computer Science - Information Internetworks/Cybersecurity — *Expected May 2026*
GPA: 3.56/4.0; **Major GPA**: 3.69/4.0
Relevant Coursework: Data Structures and Algorithms, Design and Analysis of Algorithms, Systems and Networks, Database Systems, Objects and Design, Computer Organization and Programming, Object-Oriented Programming

EXPERIENCE

Acoer — Atlanta, GA
Fullstack Software Engineering Intern — *Sep. 2022 – Jun. 2024*
- Developed a RESTful API and full-stack dashboard using Node.js, React, and Material-UI for analyzing over 140,000 drug data points (accessible at Dailymed.acoer.com).
- Maintained a backend database using Python and MongoDB to store metrics accessible from the National Institute of Health and update in real time
- Designed a Python web scraper using BeautifulSoup to analyze search rankings for Acoer products across over 300 SEO keywords and combinations

Frontend Software Engineering Intern — *Jun. 2021 – Aug. 2022*
- Revamped Acoer.com website's SEO optimization, leading to a 30% increase in organic monthly user traffic
- Enhanced user experience on Acoer.com website, resulting in a 12% increase in user retention rates
- Built a front-end landing page for a product that allows clients to explore many in depth metrics on certain test cases and compare the data in separate case studies accordingly (accessible at healthdataexplorer.io)

SAFE Health Systems — Suwanee, GA
Software Engineering Exploration Intern — *Jan. 2022 – May 2022*
- Constructed a monitoring system using React.js, Websockets and Node.js that tracks vital data in real time
- Developed a full-stack web application using JavaScript, Express.js, and PostgreSQL to monitor and analyze the response speed of retrieving user-input changes while leveraging REST APIs for efficient data handling

PROJECTS

Vertically Integrated Projects @ GT | *Python, PyTorch, TensorFlow, Eynollah* — Jan. 2024 – Present
- Implemented distributed computing systems using Python to identify authorship of Ancient Greek texts.
- Organized SLURM computational jobs, optimizing runtime by leveraging Bash for document analysis pipelines.
- Enhanced machine learning model outputs through comprehensive reliability testing with PyTorch and TensorFlow

Injury Scanner | *Python, OpenAI, OpenCV, Flask, DotEnv* — Nov. 2024 – Dec. 2024
- Engineered an AI-powered image scanning pipeline for injury detection using OpenCV, Flask and the OpenAI API
- Optimized system efficiency by implementing error handling and environment variable management through Python's DotEnv and multi-threading, achieving a 30% reduction in processing time.

Portfolio Website | *Javascript, HTML, Markdown, Tailwind CSS* — May 2024 – Jun. 2024
- Developed a portfolio using HTML, Tailwind CSS, and JavaScript to showcase projects, skills, and experience
- Integrated interactive elements such as dark mode and responsive resume and social media buttons to enhance UX
- Optimized the user interface for seamless navigation and performance across all devices

Spotify Wrapped App | *Android Studio, Java, SQL, Git, Retrofit, REST API* — Mar. 2024 – Apr. 2024
- Developed a full-stack Android app leveraging Android Studio, Java, and Retrofit for seamless RESTful API integration with Spotify, with a SQL-based backend for efficient user data storage.
- Optimized the app for scalability and performance by implementing caching and asynchronous API calls.

TECHNICAL SKILLS

Languages: Python, JavaScript, Java, TypeScript, C, SQL, Bash, HTML/CSS, Assembly
Frameworks: Flask, React, Node.js, Material-UI, Tailwind CSS, MongoDB, Django
Developer Tools: Git, Docker, VSCode, IntelliJ, Anaconda, Webstorm, PyCharm, SLURM
Libraries: OpenCV, BeautifulSoup, pandas, NumPy, PyTorch, Websockets, OpenAI API