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 Typescript, 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, MongoDB, and Pandas to store metrics from the NIH
- Designed a Python web scraper using BeautifulSoup and Pandas to analyze search rankings for Acoer products across over 300 SEO keywords and combinations, storing results in a SQL database

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
- Increased user retention rate on Acoer.com by 12% through in-depth analysis of user behavior on Google Analytics
- Developed a responsive front-end landing page with focus on UX/UI design for a product enabling clients to explore detailed metrics on specific test cases and compare data across case studies (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, TypeScript, Java, C, SQL, Bash, HTML/CSS, Assembly, Markdown
Frameworks: Flask, React, Node.js, Express.js, Django, Material-UI, Tailwind CSS
Developer Tools: Git, Docker, VSCode, IntelliJ, Anaconda, WebStorm, PyCharm, SLURM, Android Studio
Libraries: Pandas, NumPy, PyTorch, TensorFlow, OpenCV, BeautifulSoup, Retrofit, OpenAI API, WebSockets
Databases: MongoDB, PostgreSQL, SQL, SQLite
Other Skills: RESTful APIs, Distributed Computing, SEO Optimization, Data Scraping, UX/UI Optimization