

# Ryan Nasr

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## EDUCATION

### Georgia Institute of Technology

Atlanta, GA

*Bachelor of Science in Computer Science - Information Internetworks/Intelligence*

*Expected May 2026*

**GPA:** 3.64/4.0

**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

### Vertically Integrated Projects @ GT

Atlanta, GA

*Software Developer*

*Jan. 2024 – Present*

- Utilize distributed computing practices to identify document authorship and origin of Ancient Greek text
- Organize jobs for computational nodes in Georgia Tech's SLURM workload manager to increase output efficiency
- Employ Python machine learning frameworks such as Torch to enhance model outputs during reliability testing

### Acoer

Atlanta, GA

*Fullstack Software Engineering Intern*

*Sep. 2022 – June 2024*

- Developed a full-stack dashboard using Node.js, Typescript React and Material-UI to store and give client's access to data and metrics on over 140,000 drug data points (accessible at [DailyMed.acoer.com](https://DailyMed.acoer.com))
- Maintained a 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](https://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
- Assembled a full-stack web application using Javascript to track the speed needed to retrieve a user-input change
- Shadowed team of 20+ coworkers developing a self generating code project in Go building skyscraper blueprints

## PROJECTS

### Automated Reddit to Tiktok Video Generation | Python, Praw, OpenCV, TiktokAPI

July 2024 – Present

- Developing an automated system to extract top stories from r/AskReddit and generate AI-driven voiceovers for video content.
- Designing and implementing a video creation pipeline, resulting in consistent, high-quality content for TikTok.

### Airline Management System | Javascript, React, Node.js, SQL, Git

June 2024 – Aug. 2024

- Developed a comprehensive full-stack GUI for an Airline Management System using React.js, including the design and implementation of interactive and responsive components
- Designed and implemented backend services with Node.js and integrating with MySQL for efficient data handling

### Spotify Wrapped App | Android Studio, Java, SQL, Git

March 2024 – April 2024

- Built a full-stack Android app using Android Studio and Java to retrieve user data via the Spotify API, offering customizable metrics and an SQL-based friend system for wraps
- Maintained an SQL database to store friends and facilitate customization of wraps with other users

## TECHNICAL SKILLS

**Languages:** JavaScript, Typescript, Java, Python, C, HTML/CSS, SQL, Assembly

**Frameworks:** React, Node.js, Material-UI, MongoDB, Tailwind

**Developer Tools:** Git, VSCode, IntelliJ, Pycharm, Webstorm, Eclipse, Anaconda

**Libraries:** BeautifulSoup, pandas, NumPy, PyTorch, Eynollah, Websockets