

Rian Rahman

(470) 301-3035 | rian.rahman@gatech.edu | linkedin.com/in/rian-rahman02 | github.com/RiRah123 | rian-rahman.com

EDUCATION

Georgia Institute of Technology

Bachelor of Science Degree in Computer Science, GPA: 3.88

Atlanta, Georgia

Expected Graduation: May 2025

EXPERIENCE

HP Inc.

Software Engineer Intern

Fort Collins, CO

May 2023 – Present

- Developing a UI in React to chart and visualize data stored in hp.dev global catalog, providing users with data insights into various aspects of the catalog

Georgia Tech's Vertically Integrated Project Program

Research Assistant

Atlanta, GA

January 2022 – December 2022

- Implemented an advanced AI-based face recognition algorithm for miniature robotic blimps and autonomous underwater vehicles using TensorFlow, NumPy, and OpenCV
- Integrated a Raspberry Pi into the blimp, enabling data parsing from the face recognition algorithm and secure data upload onto an SSH server
- Created a Python to MATLAB GUI that improved blimp pathfinding by 30% in terms of image quality and accuracy detection through deep learning techniques
- Collaborated within a team of eight to design and deploy a blimp that successfully broadcasted a Georgia Tech basketball game to over 1,000 people

NCR Corporation

Software Engineer Intern

Atlanta, GA

May 2022 – August 2022

- Developed robust RESTful APIs in Go and Spring Boot, streamlining the request/response format for NCR consumer data
- Created an intuitive RBAC configuration dashboard for NCR's Business Platform to display and manage GraphQL API data from over 60 million calls made by 100+ partner organizations
- Employed Chart.js to extract and visualize essential data for top 10 organizations, enterprise units, and endpoints, enabling effective monitoring and performance assessment
- Integrated an HTML viewer into the dashboard, enabling editing of 50+ templates from NCR's Digital Receipt services
- Assisted in the deployment of the dashboard onto Google Cloud Platform using GitOps, ensuring seamless integration

UGA's Computer Science Department

Teaching Assistant

Athens, GA

June 2021 – December 2021

- Provided comprehensive feedback on weekly Java labs, guiding ~ 120 students in mastering fundamental programming techniques over two semester
- Contributed to the creation of 12 Java assignment evaluation tools, significantly reducing grading time to under 5 seconds

PROJECTS

EatCode | React, MongoDB, Express.js, TypeScript, JavaScript, Java, Python, Docker

github.com/RiRah123/EatCode

- Engaged with seven teammates to develop a software engineering technical interview training website in React that provides 100+ algorithmic and data structures-styled questions in 5 languages
- Configured a MongoDB and Express.js backend system to track users' progress on problem-solving over the last 365+ days using their Google account ID

NCR Go | React Native, MongoDB, Python, Microsoft Azure

github.com/RiRah123/NCR-Go

- Built a React Native application with six teammates to provide an efficient shopping solution for customers, where a product's availability and in-store location are detected using computer vision technology
- Connected the front end of the application with a conventional neural network that classifies images of in-store products with 94% accuracy and stores relevant inventory data into a MongoDB cluster
- Recognized as a top 10 project out of 401 teams (4,800+ participants) and had the opportunity to present to NCR's Executive Leadership Team

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, TypeScript, HTML/CSS, SQL

Frameworks/Libraries: React, Material UI, Next.js, React Native, D3.js, Spring Boot, NumPy, Pandas, PyTorch, Matplotlib

Developer Tools: Jira, Azure, Docker, AWS, Postman, Figma, Terminal, Git, GitHub, Docker, JUnit, Git, GitHub

Concepts: Agile Development Process, Data Structures & Algorithms, RESTful APIs, Human-Computer Interaction, UI Design, Data Visualization, Software Development, Object-oriented Programming, Systems Programming, Objects & Design