

# Ruben Taylor

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## EDUCATION

**Georgia Institute of Technology, College of Computing**  
*Bachelor of Science, Computer Science*

Atlanta, GA  
May 2027

## TECHNICAL SKILLS

**Languages:** Python, Java, C++, C, Golang, JavaScript, HTML/CSS

**Technologies:** MongoDB, Express.js, React.js, Node.js

**Awards:** CyberStart America Scholar and Finalist, NCSF Scholar With Honors + Scholarship

## EXPERIENCE

### Software Engineer Intern

*Enova International*

June 2025 – Present

*Chicago, IL*

- Integrated a centralized activity logging system across 5+ microservices, aggregating up to 700K daily read events and 250K daily write records from distributed services, designed to scale to over 4M reads and 1M writes per day
- Built high-throughput data ingestion pipelines using Apache Kafka, REST APIs, and Snowflake ETL, integrating over 15 distinct event types into a unified activity model
- Implemented containerized Go-based services with Docker and Docker Compose, accelerating local development setup by 50% and improving deployment consistency across environments

### Network Engineer Intern

*Franciscan Village*

June 2024 – August 2024

*Lemont, IL*

- Monitored network performance and troubleshooted outages to prevent disruptions in service, resulting in a 25% decrease in downtime and improving overall network reliability for over 300 residents
- Optimized and reconfigured various access points, resulting in a 70% increase in total wireless coverage, enhancing connectivity and improving user satisfaction across all facility locations
- Deployed an automated script for managing resident support tickets, successfully reducing manual updates by 25% and improving issue resolution times by 40% across all departments

## PROJECTS

### Technique | *MongoDB, Express.js, React.js, Node.js, TypeScript*

January 2025 – Present

- Worked in a team of 5 to refactor Georgia Tech's official news platform (10,000+ monthly visitors), implementing a custom backend with JWT-based authentication, refresh token rotation, and multi-level role-based access control
- Developed a secure media management system with file validation and cloud storage
- Optimized API performance through efficient database querying, indexing, and backend logic, achieving sub-200ms average response times and ensuring scalability for 1000+ concurrent users

### BiteScript | *MongoDB, Express.js, React.js, Node.js*

August 2024 - December 2024

- Led back-end development in a team of 5 to develop a full-stack restaurant rating social media platform, improving user engagement and review-sharing capabilities
- Designed and implemented a scalable database schema and optimized API routing, ensuring optimal query efficiency across 20+ unique data fields for users, restaurants, and reviews
- Developed and unit tested 15+ RESTful API endpoints to enable seamless front-to-back integration, handling user authentication, data retrieval, and review posting

### Multi-Threaded TCP Server | *C++, Git*

June 2024

- Developed a TCP Server capable of handling over 100 simultaneous user connections, optimizing responsiveness and scalability
- Implemented a command parsing system, enabling users to interact with the server and each other through over 10 custom commands
- Enhanced server functionality to support user-to-user communication, enabling seamless exchange of messages among over 100 users concurrently

## INVOLVEMENT

GT Web Dev | *Developer*

August 2024 – Present

Quant Finance Club | *Member*

August 2023 – Present

Competitive Programming Club | *Member*

August 2023 – Present