Ruben Taylor

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EDUCATION

Georgia Institute of Technology, College of Computing   Atlanta, GA
Bachelor of Science, Computer Science   May 2027

TECHNICAL SKILLS

Languages: Python, Java, C++, C, Golang, SQL, JavaScript, HTML/CSS
Technologies: MongoDB, PostgreSQL, Snowflake, Kafka, Express.js, React.js, Node.js, Docker
Awards: CyberStart America Scholar and Finalist, NCSF Scholar With Honors + Scholarship

EXPERIENCE

Software Engineer Intern   June 2025 – August 2025
Enova International   *Chicago, IL*
- Integrated a centralized activity logging system across 5+ microservices, aggregating up to 4M daily read events and 1M daily write records from distributed services
- Built multi-threaded 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   June 2024 – August 2024
Franciscan Village   *Lemont, IL*
- Monitored network performance and troubleshot 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 100+ user connections, optimizing responsiveness and scalability
- Implemented a command parser, 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