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, JavaScript, Swift, HTML/CSS
Technologies: MongoDB, Express.js, React.js, Node.js
Awards: CyberStart America Scholar and Finalist, NCSF Scholar With Honors + Scholarship

EXPERIENCE

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

Math Tutor   August 2022 – June 2023
Lane Tech College Prep   *Chicago, IL*
- Utilized various teaching techniques based on individualized learning preferences and strengths of 200+ students, achieving an average 25% boost in overall exam and test scores
- Provided personalized one-on-one tutoring to students enrolled in Algebra through AP Calculus 1, focusing on reinforcing fundamental concepts and elevating overall math proficiency levels

PROJECTS

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

CyberStart America | *Python, Java, C, HTML + CSS*   October 2022 – January 2023
- Received $4,000+ NCSF Scholarship and achieved highly-regarded GIAC Certification, validating advanced knowledge and skills in information security, computer hardware, computer software, and computer programming
- Secured first place in Illinois in a nationwide cybersecurity competition, demonstrating exceptional skills in programming, penetration testing, network security, and cryptography
- Executed diverse penetration testing techniques including SQL injection and cross-site scripting, and developed security tools using Python, Java, and C, identifying and reporting critical vulnerabilities

INVOLVEMENT

GT Web Dev | *Developer*   August 2024 – Present
Quant Finance Club | *Member*   August 2023 – Present
Competitive Programming Club | *Member*   August 2023 – Present