Rogelio Perez Montero

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EDUCATION

Guilford College | GPA 3.75/4.0   Greensboro, NC

Bachelor of Science in Computing Technology and Information Systems, Cyber & Network Security

- **Honors:** Magna Cum Laude, Dean's List, Honors Program Graduate, Departmental Honors in CTIS, Outstanding Senior in Cybersecurity
- **Relevant Coursework:** Advanced Computer Programming, Database Systems, Operating Systems, Computer Networking, System Analysis and Design, Discrete Mathematics, Computer Organization and Assembly Language

RESEARCH & PUBLICATIONS

Honors Thesis: "Enhancing Food Bank Efficiency: A Web-Based Solution for Real-Time Inventory Management and Distribution Optimization"

- Led the design and full-stack development of a web-based application, allowing food banks to migrate from paper-based inventory to a digital ecosystem, significantly improving operational efficiency and data accessibility
- Engineered a scalable, open-source MERN stack solution (MongoDB, Express.js, React, Node.js) to optimize real-time inventory management, ensuring low-cost sustainability and high performance for resource-constrained non-profits

Publication: Perez-Montero, R.* (2025). Enhancing Food Bank Efficiency: A Web-Based Solution for Real-Time Inventory Management and Distribution Optimization. Guilford College Honors Program(Peer-reviewed Honors Thesis

Conference Presentations:

- Guilford Undergraduate Symposium (2024): "Advanced Configuration of the CTIS/CNS Lab and Server Room."(Oral Presentation, Institutional, 20 minutes)

EXPERIENCE

Lead Developer & Founder, Web Verse   Greensboro, NC
Apr. 2024–Present

- Designed and launched custom websites for small businesses, resulting in an estimated 40% increase in client inquiries and sales for partner businesses
- Delivered sustainable digital solutions for resource-constrained small enterprises, applying system design principles to address specific business needs and optimize digital workflows

Help Desk Intern, IT Department, Guilford College   Greensboro, NC
Jan. 2024–May 2025

- Managed and optimized IT infrastructure for a large academic environment supporting over 1,500 active Google Workspace accounts and a broader alumni directory, enhancing system stability and user experience
- Led configuration and security optimization for multiple classroom computer labs, implementing advanced protocols and improved operational readiness by 25%
- Resolved 100+ complex IT incidents using ITIL-aligned best practices, demonstrating strong diagnostic, troubleshooting, and root-cause analysis skills in a high-volume academic setting

SELECTED PROJECTS

Secure Computer Lab & Server Environment | Spring 2024

- Led a 3-person team in the architectural design and implementation of a virtualized computing environment for cybersecurity education, enhancing secure experimental platforms for students on campus
- Deployed four physical servers with advanced firewalls using Proxmox with Kubernetes orchestration, improving compute resource allocation by 25% and ensuring high availability for concurrent lab operations

Java-Based Airbnb Clone | Fall 2023

- Developed a full-stack Java application with two teammates, implementing robust JWT-based user authentication and fine-grained role-based access control, ensuring secure data management and user privacy
- Designed and built intuitive filtering interfaces and property management systems, enhancing user experience and streamlining data retrieval for over 200 simulated property listings through efficient data structures and algorithms

TECHNICAL SKILLS

- Programming & Scripting: C, Java, Python, JavaScript, Assembly, SQL, HTML/CSS
- Full-Stack & Cloud: MERN stack (MongoDB, Express.js, React, Node.js), AWS, Azure, Kubernetes, Proxmox
- Security & Systems: Kali Linux, pfSense, Metasploit, Wireshark, Active Directory
- Tools & Data: Git, Linux, Tableau, Google Admin, MySQL, MongoDB