Anthony Lopez

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EDUCATION

University of Maryland   College Park, MD.
College of Information Studies   Expected: May 2025
Bachelor of Science, Information Science, Specialization in Cybersecurity & Data Science

PROFESSIONAL EXPERIENCE

PepsiCo   Plano, TX.
Business Analyst Intern   *May 2024 — Aug. 2024*
- Documented EDI processes, providing clear guidelines for ongoing maintenance and future enhancements.
- Bridged the gap between business and technical teams by facilitating effective communication and understanding of SAP and EDI processes, ensuring alignment on project goals and timelines.
- Collaborated with a team to develop a sustainability plan to reduce PepsiCo's carbon footprint by optimizing global data centers and its resources.

Office of Academic Computing Services, University of Maryland   College Park, MD.
User Support Technician   *Sep. 2023 — Present*
- Provide technical support to faculty, staff, and students in the College of Behavioral and Social Sciences, managing over 15 support tickets per week.
- Troubleshoot hardware/software issues, install network software/hardware, and perform upgrades.
- Conduct regular maintenance checks, proactively identifying and resolving potential hardware/software issues within computer labs and conference rooms.

PROJECTS

New Carrollton Police Response Data Dashboard (Phase II)   *Sep. 2024 — Present*
- Collaborating on enhancing the existing dashboard with integrating additional data sources and new data visualizations such as geographical heatmaps and time-series analyses using Tableau.
- Improving user interface and accessibility to ensure ADA compliance.
- Developing documentation to support city staff in maintaining and updating the dashboard.

End-to-End IoT System Model   *Sep. 2023 — Dec. 2023*
- Designed and configured a network model in Cisco Packet Tracer, applying IPv4 addressing to Home and Mobile LANs, ISP tiers, and a cloud data center.
- Performed network testing, including MAC address table population, routing table verification, successful pings, and web service loading for comprehensive connectivity.
- Connected IoT devices to a cloud server and verified functionality through the IoT monitoring app.

Student Health and Wellness App Concept   *Sep. 2023 — Dec. 2023*
- Led the design and conceptualization of a mobile app aimed at enhancing student health and wellness services.
- Conducted user research and developed iterative wireframes and prototypes, incorporating feedback to refine design, functionality, and data privacy considerations.
- Developed a project website to document progress, methodologies, technical design features, and prototypes.

Course Recommender   *Mar. 2023 — May 2023*
- Developed a course recommender program using Python that filters for courses based on keywords and department names.
- Led a team of two members in implementing the program and utilized SQLite as the database management system to store course information and sections.
- Designed and implemented web scraping functionality using Selenium to extract course data from a website.

LEADERSHIP EXPERIENCE

Society of Hispanic Professional Engineers   College Park, MD.
Website Administrator   *May 2023 — Present*
- Redesigned and modernized the SHPE UMD chapter website to enhance user experience and improve navigation using WordPress.
- Manage and maintain the website by regularly updating content, and optimizing performance.
- Integrated analytics tools like Google Analytics to track website performance and user engagement.

SKILLS

Software: Microsoft Office, G-Suite, Adobe Creative Cloud, Wireshark, Git/GitHub, Python, Java (Basic), JavaScript, HTML, CSS, Bootstrap, Selenium, MySQL, SQLite, Tableau, Windows OS, MacOS, Linux, VMWare