IT Technician Tier 3   **March 2023 - current**
MMR Group   *Baton Rouge,LA*

- Increased IT operational efficiency by 50 percent through automation of routine tasks using PowerShell and Python, streamlining user/group management in AD, mailbox management and audit in Microsoft Exchange, and ticket categorization in Spiceworks.
- Continuously identified insecure systems, like local admin usage or missing EDR solution on end users.
- Strengthened internal IT infrastructure by discovering and reporting multiple vulnerabilities in proprietary tools through application analysis, leading to improved system integrity.
- Configured and optimized Cisco Meraki networks, including VLANs, VPNs, and firewall rules
- Tools used: Active Directory, Azure AD, M365, Mimecast, Spiceworks, PowerShell, RDP

IOT Forensics Researcher   **Jan 2023 - May 2023**
LSU   *Baton Rouge,LA*

- Analysis of Roomba vaccum cleaner app through reverse engineering and network analysis. Invited to the 2024 Digital Forensics Research Workshop (DFRWS) in Spain.
- Utilized burpsuite and mitmproxy to find hidden APIs and developed a tool for forensic investigators to use to gather iRobot cloud data without interacting with physical device.
- Tools used: Python, Burp Suite, MITMProxy, Wireshark, Apktool, JD-Gui