

Brendan Rodriguez

Brendantr57@aol.com | (561) 371-5054 | linkedin.com/in/brendantr | github.com/brendantr | Charlotte, NC

EDUCATION

University of Central Florida – UCF | B.S. Computer Engineering | May 2026 | Orlando, FL
Hispanic Heritage Foundation Scholar | Coursework: Operating Systems, Networking, IoT Systems Design (Cloud, RTOS, BLE)

TECHNICAL SKILLS

Systems Administration: Active Directory, VOIP infrastructure, PMS/POS platforms, Identity & Access Management (IAM)
Cloud/Platform: AWS (Lambda, S3, WAF, CloudFront), Azure, Terraform, Infrastructure as Code (IaC), Docker
Networking/Protocols: TCP/IP, UDP, Wi-Fi, BLE, UART, DHCP, DNS fundamentals
Programming/Scripting: Python, JavaScript, TypeScript, Java, C, Bash/Shell
Tools: Git, Jira, CI/CD (Concourse, GitLab), ServiceNow-style ticketing, technical documentation
Hardware: BMS/INNCOM sensors, HVAC controls, network device configuration, MCU interfaces

PROFESSIONAL EXPERIENCE

- System Engineering Administrator – PGA National Resort & Spa, Palm Beach Gardens, FL** Jan 2017 – Dec 2021
- Provisioned Active Directory (AD) users and security groups, granting role-based access to resort systems, applications, and data.
 - Administered VOIP infrastructure and AD services, including configuration changes, updates, and routine health checks.
 - Managed and tuned PMS/POS platforms, ensuring high availability, accurate transactions for resort operations.
 - Led restoration of the INNCOM Room Management System (RMS), integrating field sensors, controllers, and network devices.
 - Inspected and tested HVAC controls, guest room devices, and lighting, resolving issues through component swaps.
- Ingest Technician (contract) – Catapult, Orlando, FL** Dec 2021 – Nov 2022
- Operated professional ingest-software to capture live events and tape-based content into digital workflows.
 - Executed daily ingest schedules for SOPs, monitoring jobs end-to-end to verify transfer and content availability.
 - Applied metadata and digital tags to incoming assets for precise search and retrieval in production systems.
 - Maintained master ingest logs, ensuring auditable asset records and SAN accessibility for the media production teams.
- Software Engineer Intern – Duke Energy, Charlotte, NC** May 2023 – Aug 2023
- Developed internal-facing web application using Infrastructure-as-Code (IaC) to manage AWS resources that support production.
 - Supported RESTful API integrations for internal application, improving data flow reliability and reducing manual process friction.
 - Performed CI/CD workflows using Git-based tooling, enforcing coding standards, automated testing, and repeatable deployments.
 - Upheld the Agile delivery processes to implement, test, and maintain application changes in collaboration with cross-functional team.
- Cybersecurity Architect Intern – Duke Energy, Charlotte, NC** May 2024 – Aug 2024
- Evaluated on-prem, AWS and Azure environments to map data flows and security controls across a hybrid cloud landscape.
 - Analyzed cross-business-unit workflows and identified a 32.6% process bottleneck to reduce backlog review pipelines.
 - Demonstrated forward-thinking PQC initiative and emerging cryptographic threat implications to executive stakeholders.
 - Coordinated cross-site tours of on-prem data centers and critical infrastructure facilities to support security architecture review efforts.
- Undergraduate Researcher – DRACO Lab – UCF, Orlando, FL** Aug 2024 – May 2026
- Performed hands-on hardware exploitation using ChipWhisperer to extract cryptographic keys from embedded targets.
 - Detected workload anomalies across compute architectures using power and timing signals.
 - Utilized automated pipelines (perf, NumPy, Pandas) for feature extraction, anomaly detection, and integrating benchmark results.
 - Applied ML/AI techniques (HuggingFace models) to classify security-relevant behavioral signals from hardware performance counters.
- Parking and Main Entrance Cast Member – Walt Disney World, Orlando, FL** Aug 2024 – Present
- Parking cast member. I assisted with directing thousands of cars and people per day throughout the theme park parking lot.
 - Main Entrance Park Greeter. I assisted with welcoming guests and properly scanning their tickets to grant entry into the park.

CERTIFICATIONS

AWS Skill Builder (2026) · Terraform on AWS (2023) · Hacking for Defense (2023) · Principal Investigators & Research (2022)