

Jacob LaLicata

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Education

Kennesaw State University | Kennesaw, GA

August 2019 - December 2023

Bachelor of Science in Information Technology, GPA 3.4

Coursework: Object Oriented Programming, Data Structures & Algorithms, Database Systems, Software Acquisition & Project Management, Data Communications & Networks, Network Configuration and Administration, and IT Policy and Law

Skills

Scripting: Bash, YAML, PowerShell, Ansible AWX

Administration: Active Directory, Cisco ISE, PDQ Deploy/Inventory, VMware vSphere

Programming: Python, HTML, CSS, Bootstrap, JavaScript, Java

Experience

Georgia Tech Research Institute

IT Support CO-OP

January 2022 – Present

Received hands on experience conducting a wide range of system admin tasks including:

- Diagnosing and resolving software and hardware issues across both Windows and Linux systems.
- Collaborating with cross-functional teams to efficiently resolve tickets for over 600 users.
- Managing and maintaining workstation and user account objects with Microsoft Active Directory.
- Configuring systems to align with CMMC compliance standards, ensuring data security and regulatory adherence.
- Managing, tracking, and conducting audits on an extensive inventory of over 2000 assets.
- Actively contributing to the onboarding and training of new co-op team members, fostering a culture of collaboration.
- Thoroughly documenting processes and procedures to streamline future operations and ensure continuity.

Projects

Ubuntu Deployment Automation | Georgia Tech Research Institute

Fall 2022

Collaborated with a small team to develop and implement an automated deployment process for ubuntu operating systems.

- Developed, tested, and deployed scripts utilizing YAML, Bash, and Ansible AWX to streamline deployment processes.
- Managed and deployed scripts using Ansible AWX to ensure consistent and reliable configuration management.
- Created custom configurations for third-party software to align with organizational requirements.
- Ensured strict compliance with CMMC standards for all Ubuntu systems in our ecosystem.
- Utilized Canonical Landscape for Ubuntu administration, optimizing operational control and system maintenance.

Raytheon Software Initial Rollout | Georgia Tech Research Institute

Summer 2023

Collaborated with a small team to conduct first time implementation of newly acquired software.

- Established an Oracle database to store the user account information and software data.
- Created custom configurations for the database using .ora files to utilize FlexLM licensing.
- Enforced user access control measures aligning with the principle of least privilege to ensure security and compliance.
- Documented each step of the implementation process, creating comprehensive guides for future implementations.

AI Limitations Capstone | Kennesaw State University

Fall 2023

Collaborated with a team of college students to discover the capabilities and limitations of AI Large Language Models.

- Employed ChatGPT to create a fully functioning auction website written with a 100% AI generated codebase.
- Utilized Django web framework to streamline development and ensure robust functionality.
- Integrated a fully functional payment system using Stripe payment processing.
- Implemented functionality for user account creation with secure and encrypted passwords.