Henry Hill

hillchenry@gmail.com   Orlando, FL   https://www.linkedin.com/in/ithenryhill
239-989-5692   Ft. Myers, FL   https://github.com/henrychill

EDUCATION

University of Central | Orlando, Fl   Expected Graduation: May 2027
BACHELOR'S OF SCIENCE IN INFORMATION TECHNOLOGY
- GPA: 3.7

Florida Gulf Coast University | Ft. Myers, Fl   May 2023
Dual Enrollment with IT/CS Focus
- GPA: 3.9

WORK EXPERIENCE

Systems Administration Intern   May 2024 – August 2024
B2 SOLUTIONS | CAPE CORAL, FL
- Learned to manage commercial networks using the Kaseya Suite (RMM), Meraki, and Azure/Active Directory.
- Wrote documentation and designed B2 practices, off/onboarding, and client specifics using ITGlue integration.
- Took initiative and learned Powershell and .NET to assist in the team's system automation project.

PROJECTS

Kubernetes-based Application Development, Management, and Optimization   February-April 2025
- This comprehensive project involved the end-to-end setup, configuration, deployment, and management of distributed applications within a multi-node Kubernetes (K3S) cluster, emphasizing cloud-native patterns and operational best practices.
- Utilized a dedicated lab environment comprising a jumphost and three worker nodes, provisioned and managed a highly available, multi-node K3S Kubernetes cluster on dedicated virtual machines, including secure access configuration with TLS certificates.

Commercial MSP Migration Project(s)   May-June 2024
- Built, loaded Windows Server 2022 R2, migrated credentials/data, and deployed a commercial server to replace a legacy system on-site.
- Worked with team members to migrate a business from Microsoft 365 to Google Workspace on the backend and on-site at 2 locations.

OS PROCESS MANAGEMENT EMULATOR IN C   December 2023
- Implemented a program that emulates operating system functions such as concurrency simulation and resource sharing/race condition behaviors.
- Displays various system functions such as process scheduling algorithms and deadlock avoidance behavior using Banker's algorithm.

CERTIFICATIONS - SKILLS - LANGUAGES

- TestOut IT Fundamentals Pro, MTA Network Fundamentals, C++ Certified Developer, Python PCEP
- Ubuntu Linux 22.04 & Server, M365/Azure, Active Directory, Windows 10 Professional & Server, Apache HTTP, Vim, VirtualBox/VMware,
- C/C++, Java, Bash, Powershell, Python, MARIE Assembly, SQL

COMPETITIONS

National Cyber League (Individual and Team Competitor)   April 2024
- Learned and used skills such as cryptography, wireless access exploitation, wireless traffic analysis, OSINT, and password cracking via virtual competition.
- Competed in a solo & team CTF match, where participants focus on strengths or advise other teammates.

Horse Plinko Cyber Challenge (Team Competitor)   October 2023
- Remotely secured a WordPress hosted on a virtual machine running Windows Server, and assisted teammates with Apache web server security on Ubuntu Server.
- Participated in a HackUCF competition where advanced red team upperclassmen/master's students attempt unauthorized access to many blue team's VMs with the intention of tampering with configurations.

AWARDS AND INVOLVEMENT

- HackUCF - Attended lectures and workshops to hone skills in cybersecurity, and competed in competitions.
- Eagle Scout - Led a troop of scouts to learn various survival skills, leadership, citizenship, and first aid skills.
- LEAD Scholars Academy - Provided service to the community and learned leadership skills from experienced peer mentors and professors.