Tris Wilson

fcw0002@uah.edu · twodoublequotes.org

Summary: GNU/Linux and Windows systems administrator with experience managing heterogeneous environments, with additional experience in Python application development.

Skills

Languages: *Expert:* Python. *Proficient:* C, C#, Java.

Operating systems: *Expert:* GNU/Linux (primarily Debian-based). *Proficient:* Windows, FreeBSD.

Technologies/software/protocols: *Proficient:* MIT Kerberos/GSSAPI, OpenLDAP, Ansible, SaltStack, Environment Modules, BIND, pf, Active Directory Domain Services and Certificate Services, Visual Studio, Phabricator, OpenAFS, git, IRC protocol.

Databases: *Proficient:* Relational/SQL (specifically MySQL, PostgreSQL, SQLite).

Education

University of Alabama in Huntsville, 2016-2020 (expected)

- majoring in Computer Science and Mathematics, current GPA 4.0
- Dean's List, College of Science + Honors College, 2018

Experience

Technical Lead, (Managed IT services provider, name withheld), 2017-present

- Built a flexible Python-based web application platform for internal applications, allowing developers to quickly prototype, test, and deploy solutions to meet business needs
- Implemented web-based AD account management tool, enabling frontline technicians to create accounts and reset passwords for clients using a well-defined, secure, and auditable process
- Designed and implemented a smartcard-based multifactor authentication solution for defense contracting firms, ensuring compliance with relevant NIST standards
- Implemented tools and process to standardize improve documentation, task tracking, and code management, resulting in better team organization

Assistant System Administrator, UAH Computer Science, 2017-present

- Maintained computer labs and supporting services used by faculty, staff, and students in the Computer Science department
- Built a GNU/Linux environment for computer labs using Ansible, including seamless SSO functionality and multiple available versions of popular programming languages and tools
- Modernized account provisioning process, using a C#/ASP.NET web application, bringing the time between account request and fulfillment from >24 hours to a few seconds
- Implemented and maintained network monitoring and ticketing systems in order to improve service to end users

Student System Administrator, TJHSST, 2012-2017

- Maintained a secure computing environment used by ~2,000 students, faculty, and staff with Heimdal Kerberos, OpenLDAP, OpenAFS, and the SaltStack configuration management solution
- Acted as interim technology support after graduation, assisting current student administrators in the absence of a permanent staff member

Software Development Intern, InfoReliance Corporation, 2015

- Resolved issues and wrote features for a Department of Defense web-based military information system using C#/ASP.NET, following customer requirements documents
- Streamlined error resolution process by designing a tool to prioritize application issues (including a Visual Studio integration with the tool)

Activities

Competition Organizer, TJCTF, 2015-2016

- Designed challenges viewed and solved by hundreds of participants
- Implemented an open-source scoring platform for computer security competitions

---

Awards/honors

- 1st place, MITRE STEM CTF (2013, 2014, 2015, 2016)
- 2nd place, MITRE STEM CTF (2017, 2018)