

AUSTIN HUNT

Portrait-artist-turned-computer-geek with a swirled love for the visual and the technical bringing extensive experience with and excitement for automation. Enthusiastic and quick learner searching for an opportunity to make positive, real-world impacts in collaborative and creative ways with a motivated team.



CONTACT

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SOFT SKILLS:

Very quick learner. Effective, friendly communicator. Clear documenter (loves an organized README). Highly self-motivated. Known at CoFC for fast turnaround times. Solid time management skills. Annoyingly attentive to detail. Enjoys working with a team. Head-first diver into problems that need solving. Deadliest troubleshooter in the west. Strives for automation where possible.

HANDY WITH:

Languages

Python, Bash, PowerShell, PHP, Java, HTML, CSS, JS, TS, Markdown, Velocity, GraphQL

Operating Systems

Ubuntu & RHEL managed extensively at work. Work computer runs Windows 11. Personal computer is iMac 2012 (still cranking).

DevOps

Git/GitHub, GitHub Actions, Travis CI, Docker/Docker Compose, Kubernetes, SSH, Ansible, Grafana, Icinga2, Cron, Splunk, Azure DevOps, NCPA, SNMP

Web & Cloud

Django, Jinja2, Flask, React, Twilio, Apache, Nginx, Linode, SPO, AWS Lambda, S3, Route 53, API Gateway, SAM, CloudFormation, EC2, Cloudwatch, Azure AD & MS Graph, Heroku, Cloudflare

Project/Task Management/Video Conferencing

Microsoft Teams, Zoom, Webex, Wrike, Basecamp, Slack, Keybase, Azure DevOps, TeamDynamix ITSM

CERTIFICATIONS

- Certified Entry-Level Python Programmer, May 2020
- Certified Associate in Python Programming, May 2020
- Docker Certified Associate (after Kubernetes update), Jan 2021

PUBLICATIONS

- PolyPy: A Web-Platform for Generating Quasi-Random Python Code and Gaining Insights on Student Learning; 2019 IEEE FIE Conference (FIE); Oct 2019
- A Novel E-Learning Platform for Building and Publishing Student-Driven Personalized Lessons; 2020 IEEE FIE Conference (FIE); Oct 2020

EXPERIENCE

📅 Digital Communications Developer, Feb 2022 - Present

📍 College of Charleston - Charleston, SC

One of a 2-member web team for CoFC with a **broad** range of duties: securely manage on-prem & cloud Linux servers (Ubuntu, RHEL); scripting with JS, Python, Bash, PowerShell; develop/maintain/document/test Flask APIs for system integrations & full-stack Django web apps for business needs; implement CI/CD with Docker/Docker Compose, GHE, GitHub Actions, Webhooks; maintain/improve web security, e.g., forced SSL; troubleshoot network issues using tools like Splunk, UFW, iptables, tcpdump, netstat, telnet, nicolaka/netshoot; containerize legacy apps to improve manageability; maintain & scale Icinga 2 (see below); assist in AWS Route 53 & Oracle Dyn DNS management; resolve complex technical issues with many moving parts; ticketing; use Git heavily for version control; support IAM modernization with scripting against Azure AD and on-prem AD; migrate existing apps to modern auth protocols; correspond with vendor dev teams and functional users

📅 Webmaster, Dec 2019 - Feb 2022

📍 College of Charleston - Charleston, SC

Same as above; new title/pay addressed discrepancy between job description and expanding responsibilities

📅 Temp Employee, May 2019 - Dec 2019

📍 College of Charleston - Charleston, SC

Implement and scale Icinga2 alerting and monitoring; manage distributed hierarchy of RHEL servers; use Ansible for distributed config deployments. Work with network security team to enable/troubleshoot zone-based NCPA/SNMP/SSH monitoring traffic across new and legacy infrastructure.

📅 Student Network Engineer, Oct 2017 - May 2019

📍 College of Charleston - Charleston, SC

Manage access switch software; install/replace/configure switches/UPSes; configure UPS NICs; automate mass UPS firmware upgrades with Python; train new employees

EDUCATION

📅 M.S. Computer Science - May 2021 - Dec 2022

📍 Vanderbilt University School of Engineering - Nashville, TN

GPA: 4.0; part-time student, 2 classes each semester; covered heavy theory and hands-on application of distributed systems, networking, cloud computing, automated verification, machine learning, modeling, collaborative software engineering, quantum computing, cybersecurity

📅 B.S. Computer Science, Math minor - Aug 2015 - May 2019

📍 College of Charleston Honors College - Charleston, SC

Cumulative GPA: 3.95/4.0; Major GPA: 3.93/4.0; Honors College student; summa cum laude graduate; engaged in research, a challenging curriculum, competitions, and public speaking events

FAVORITE PROJECTS OUTSIDE OF WORK

- Arxiva, a free open-source research tool used for navigating arxiv; *Current, Vanderbilt; APP*
- Fully automated provision/cleanup of a data pipeline with Vagrant, Ansible, Kubernetes, Apache Kafka, Zookeeper, CouchDB, Yahoo Finance API, and Python; *Fall 2021, Vanderbilt; REPO*
- Automated Testing Framework built with Python, Ansible, EC2, and Couchbase CLI to evaluate Couchbase as a distributed data store; *Fall 2021, Vanderbilt; REPO*
- StockScope, a Django app for interacting with stock market data; used AWS SAM Templates to deploy CloudFormation resources like Lambdas, S3 buckets, & an API Gateway; monitor automated activity with AWS Cloudwatch; *Summer 2021, Personal; REPO*
- Python Framework for Load-Balanced, Fault-Tolerant Pub/Sub Distributed Systems Built With ZeroMQ, an asynchronous messaging library and Apache Zookeeper, a distributed coordination service; *Summer 2021, Vanderbilt; REPO*