brandonharrisoncode@gmail.com
https://brandonharrisoncode.com
https://github.com/BrandonHarrisonCode

Brandon Harrison

Professional Experience

Hewlett Packard Enterprise

DevOps Infrastructure Automation Engineer **August 2019 — Present**

- Organized a team to develop DevSecOps practices by automating the auditing and hardening of Linux machines using Ansible and Inspec. Slashed audit times by 600+ hours per month.
- Programmed custom plugins in Python 3 to parse gigabyte-sized Excel spreadsheets for Ansible automation, saving 100+ hours per month.
- Established an onboarding process for new-hires by creating projects and lectures for technical concepts, ultimately reducing onboarding times by half.
- Designed an SAP as a service offering using Ansible and Terraform to create on-demand SAP infrastructure, decreasing deployment times by 15 hours per deployment.

E&J Gallo Winery

Programmer Analyst Intern **June 2018 — January 2019**

- Sped up deployments by nearly 1000% by pioneering CloudFormation, Bash, and Python scripting to deploy new E-Commerce platforms.

RigUp

Software Engineering Intern **October 2017 — December 2017**

- Remodeled Angular components in a Ruby on Rails contracting service using Jira and CodeShip to fix customer-reported bugs and to reduce code complexity.

Hewlett Packard Enterprise

Software Engineering Intern **May 2017 — August 2017**

- Owned and architected a web application to track HPE products' development pipelines using React, Flask, MySQL, authentication with LDAP, and automated testing with PyTest, implementing new features after feedback from stakeholders.

Projects

CFB Game of the Week

https://cfbgameoftheweek.com/

Automatically ranks college football games by how entertaining they are to watch

- Invented a "scheduled-scaling" serverless web app using AWS Serverless Application Model (SAM), NoSQL databases, automated testing and deployment with TravisCI, Jest, and PyTest, and a frontend in React.
- Created a model using Scikit-learn, SciPy, Pandas, and NumPy in order to automatically rank college football games by an "entertainment score."

Education

The University of Texas at Austin, Austin, Texas

B.S. in Computer Science — 3.3 GPA **August 2015 — May 2019**

Skills / Keywords

Cloud: Amazon Web Services (Lambda, EC2, S3, CloudFront, CloudWatch), OpenStack
Infrastructure Automation: Ansible, Terraform, Kubernetes, Vault, CloudFormation, Docker
Scripting: Python, Bash and associated utils
Backend: Python (Flask, FastAPI), Java (Spring)
Frontend: React, Gatsby, Material-UI, HTML, CSS, JavaScript
Databases: PostgreSQL, MySQL, DynamoDB
Linux: Arch Linux, Debian family (Ubuntu, Debian), RHEL, CentOS, SLES
Misc: Git, Inspec, Heroku, Gunicorn