HENDERSON REED HUMMEL

Software Engineer — reed.hummel@gmail.com — ⌨ hendersonreed

EDUCATION

Portland State University   *September 2016 - June 2020*
Bachelor's of Computer Science

TECHNICAL STRENGTHS

Languages	Python, Bash, Javascript, Haskell, Racket, Rust, C/C++, Java, HTML/CSS
Technologies	Git/GitHub/GitLab, Docker, Ansible Jenkins, Jira, AWS, Kubernetes
Environments	Unix/Linux, MacOS, Windows

EXPERIENCE

Red Hat   August 2020 – Present
Software Development Engineer in Test

· Design and develop open-source tools for use in tests (Python).
· Write and maintain integration tests for Ansible Automation Hub (Python).
· Work collaboratively with developers and product management to ensure quality software releases.
· Maintain and build continuous integration pipelines (Jenkins).
· Participate in design when evaluating the testability of new features.
· Develop and improve the documentation of projects and processes (Atlassian tools, e.g. Confluence, Jira).

PSU Computer Science Dept.   April 2018 – June 2020
Computer Science Tutor

· Advise current CS students on the concepts they are working to learn (data structures, object-oriented programming, basic C/C++/Java, discrete math topics.)
· Teach the use of various Linux utilities and tools like bash, vim, gdb, gcc, g++, tar, zip, script.
· Assist students with the development of programs in C, C++, and Java.

Tripwire   July 2019 - December 2019
Software Developer Intern

· Develop fixes for highly multi-threaded, cross-platform, and distributed software products (C++/Java)
· Build new continuous integration and build pipelines (Jenkins).
· Diagnose bugs ranging across platforms and architectures (PowerPC, x86, x64, IBM AIX, RedHat Enterprise Linux, CentOS, Debian, Ubuntu, Windows.)
· Explore and evaluate new architectures for future development (IBM Z Systems, Linux on Z.)

Jama Software   January 2019 - July 2019
DevOps Intern

· Work extensively with Python, Docker, TeamCity CI integration, and Amazon Web Services (specifically EC2 instances and Lambda functions) to enable a fully automated QA pipeline for an internal tool.
· Follow Agile practices for the development of internal tools (Python)
· Work closely with other developers and DevOps engineers to improve the reliability, speed, and trace-ability of source code and built artifacts.