

the resumé of kate hart.

kate@katehart.me / katehart.me / github.com/codehearts

Employment & Voluntary Experience

- Design Engineer II, Genie Industries (2016–current)
 - Embedded C/C++ for the ALC600 control system and Genie Tech Pro Link handheld service tool
 - Agile development process with daily scrum, unit testing, black box testing, and peer reviews
- Linux sysadmin, University of Rochester Political Science Dept. cluster computer (2014–2016)
 - Migrated from Fedora to Xubuntu, with documentation for future administrators
 - Revised and wrote shell scripts for backups and usage monitoring
- Tech maintenance director, University of Rochester Computer Interest Floor (2014–2016)
 - Hardware and software maintenance of Linux and Mac OS X servers
 - Refactoring, documentation, and porting of legacy C firmware code, with simulated AVR tests
 - Design and development of a custom-built user control panel in PHP, with unit tests
 - Setup of virtual machines for issue tracking, caching, and other services
 - Held Linux workshops for the university community
 - Active member of Help@CIF, a student-run IT support group
- Personal Projects on GitHub
 - Pickle's Fetch Quest (github.com/codehearts/pickles-fetch-quest)
 - Game project written in Python 3 for fun
 - Engine is written from scratch with continuous integration and static analysis run on push
 - Shpy (github.com/codehearts/shpy)
 - POSIX-compliant spy and stub framework for testing shell scripts
 - Continuous integration is configured to lint, test, and generate coverage reports
 - CIFReader Firmware (github.com/CIF-Rochester/CIFReader-Firmware)
 - Card reader firmware for an AVR microprocessor
 - Written in C with a simulated test suite for Arduino hardware

More of my work can be found in my portfolio and on my GitHub.

Education

- University of Rochester, BS in computer science with a focus on systems (2016)
- Graduated from Baton Rouge Magnet High School, *summa cum laude* (2012)

Technology Experience

- Experienced with Python, Bash/POSIX shell, C/C++, Linux (Debian/Arch)
- Less experienced with JavaScript, CSS (SASS), PHP, Ruby, Java
- Interested in Rust, Go, Swift, Lua

References

- Antonino Lenzo, University of Rochester Political Science IT Systems Manager (antonino.lenzo@rochester.edu)