

## Michael Robinson

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### Technical Skills:

C, C++, Java, Fedora Linux, CentOS Linux, Slackware Linux, Raspbian, Linux, Bash, Perl 5.18.1 custom compiled, PHP 5.6.26 custom compiled, git, subversion Apache-2.4.10 custom compiled, Windows 98SE, Windows XP, Windows 7, Windows 10, HTML 4, MySQL, PostgreSQL, Mac OSX 10.2, Mac OSX 10.12

### Certifications:

- Linux Professional Institute Administrator Level 1 October 21, 2015

### Education:

Bachelor of Science in Computer Science 2014

Portland State University – Portland, OR

Associates of General Studies 2003

Portland Community College – Portland, OR

### Network Administrator and Developer

January 1998 to present

Personal for the Robinsons – Scappoose, OR

- Developed/Maintain website, e-mail, and FTP servers that are on the Internet.
- Configured a mixed OS lan, mostly CentOS Linux servers, with Freenas 9 custom NAS.
- Implemented a private branch exchange using Asterisk (private telephone system).

### Project:

#### Use a Raspberry Pi 3 Model B and TEMPer2 USB thermometers, measure temperatures in rack.

- I built my own rack for robinson-west.com and the local area network behind it.
- I see a need to measure the output air temperature of my six servers.
- Extend existing project to measure temperatures from one TEMPer2 USB thermometer.
- Working with a classmate so I can verify that the documentation and testing is understandable.
- Will abstract the gathering of data from actions based on that data using Python, C, C++.
- Will develop email alerts given certain temperature trends and I will later support text messaging via the cell phone network. Stretch goal is to pump in cold air or turn on fans.

### Current non tech job:

Personal Support Worker

January 1998 to present

State of Oregon – Scappoose, OR

Federal program through Integrated Services Network:

- Providing personal assistance, community interaction, and transportation to developmentally disabled person.