

Harrison G. Totty

DEVOPS ENGINEER · SOFTWARE PROGRAMMER

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Education

Tallahassee Community College

ASSOCIATES OF SCIENCE

- Graduated honors with 4.0 GPA.

Tallahassee, FL

Jan 2015 - Jan 2016

University of West Florida

PHYSICS (INCOMPLETE)

Pensacola, FL

Aug 2011 - Jul 2014

Skills

Web Servers	Apache Tomcat, Apache Web Server
GNU/Linux Distrobutions	Arch Linux, Gentoo, Debian (Ubuntu), RHEL (CentOS), Void Linux
Repository Hosting	Bitbucket, GitHub, GitLab
Version Control Systems	cvs, git
Configuration/Data Languages	JSON, TOML, YAML
Markup Languages	LaTeX, Markdown, Org
Templating Languages	Liquid, Jinja, Puppet
Programming Languages	C/C++, C#, Emacs Lisp, Perl, Python, Rust, Shell Languages, Wolfram (Mathematica)
Human Languages	English (Native), German (Beginner)
Text Editors	GNU Emacs, Vim
Project Management	GitHub Projects, GitLab Issues, JIRA
Configuration Management	Puppet, Salt
High Availability	HAProxy, keepalived

Work Experience

Wolfram Research, Inc.

DEVOPS ENGINEER

- Developed/Implemented various configuration management and remote execution frameworks such as Salt and Puppet for the various Wolfram Cloud environments.
- Personally architected software platforms, individual servers, machine clusters, and deployment workflows.
- Provided routine performance and security analysis.

Champaign, IL

Apr 2018 - Present

Wolfram Research, Inc.

WEB SYSTEMS ADMINISTRATOR

- Provided general systems administration for various Wolfram web products and services.

Champaign, IL

Dec 2016 - Apr 2018

Wolfram Research, Inc.

WEB SYSTEMS INTERN

- Worked on a myriad of development projects pertaining to custom Docker images and the Wolfram Engine kernel.

Champaign, IL

Sep 2016 - Dec 2016

Tallahassee Community College

MATHEMATICS AND TECHNOLOGY TUTOR

- Provided tutoring and support to students in various mathematics and technology topics.

Tallahassee, FL

May 2016 - Aug 2016

Wolfram Research, Inc.

WOLFRAM SUMMER SCHOOL STUDENT

- Invited to Bentley University for three weeks to conduct research concerning machine learning analogues via feed-forward boolean networks.

Boston, MA

Jan. 2013 - Feb. 2013

Radio Shack

SALES ASSOCIATE

- Provided customer service and support for a variety of mobile devices, DIY components, appliances, and more.

Pensacola, FL

Jul 2013 - Mar 2015

University of West Florida

STUDENT SSE SYSTEM ADMINISTRATOR

Pensacola, FL

Jan 2014 - Aug 2014

- Provided general systems administration for the faculty of the School of Science and Engineering.

University of West Florida

RESNET TECHNICIAN

Pensacola, FL

Feb 2012 - Aug 2013

- Supported the technical needs of dorm students through wireless AP installation, computer repairs, network troubleshooting, and web development.

Projects

mkdot

Personal

"THE HANDY DOTFILE TEMPLATING SYSTEM"

Oct 2018 - Dec 2018

- Generates user/system configuration files ("dotfiles") from Jinja2 templates.
- Based on the "mkconf" utility written for internal use at Wolfram Research, Inc.

mkconf

Wolfram Research, Inc.

APACHE WEB SERVER CONFIGURATION TEMPLATE ENGINE

Aug 2018 - Present

- Drafted reports about IT trends and Security issues on AhnLab Company magazine.