

## Education

### Utah Valley University [Spring 2018]

Bachelor's of Computer Science

- Extracurricular Activities:
  - Web Development Club, Cycling Club

## Experience

### Software Engineer, Research & Development - Dell EMC [October 2016 - May 2017]

- Research new technologies to replace existing monolithic architecture
- Implement Federated Single Sign on API into identity access management microservice using Golang.
- Integrate Kubernetes Configmaps and Secrets into existing infrastructure for dynamic configuration and secret management.
- Manage hundreds of Google Compute virtual machines in multiple environments using Saltstack.
- Design new network topology for external to internal request routing and for service to service routing.
- Design and develop new ci/cd deployment api using Golang.

### Full Stack Engineer - Serverplus [November 2013 - November 2016]

- Develop Python web application using Pylons framework, and SQLAlchemy ORM.
- Updated database architecture from standalone Postgresql server to a three server cluster with streaming replication.
- Integrated Travis-CI for version control driven deployment and testing.
- Maintain BIND9 server used for external DNS, and Windows DNS Server for internal DNS.
- Manage Xenserver 12 virtual machine cluster configured for Hot Standby.
- Maintain Asterisk 11 dialplans to make sure calls route properly.
- Trunk with other PBX servers using SIP and IAX.
- Manage 40 employee active directory profiles and exchange accounts.
- Update company computers using Windows Group Policy.
- Converted all DIDs(Direct Inward Dial) numbers to SIP or IAX trunks. Reducing Asterisk 11 operating costs by \$1500 per month.

### Software Engineer Intern - Wavetronix [January 2015 - May 2015]

- Debugged and Refactored C# WinForms application.
- Tagged, labeled, and versioned application using Mercurial.
- Tracked bug fixes, time spent, and development progress using Fogbugz and Kiln.
- Collaborated with coworkers using Scrum methodologies.
- Tested Wavetronix's SmartSensor HD, SmartSensor V, SmartSensor Advanced, Click 650, Click 500, and Click 100 hardware using C# application.
- Wrote queries for hardware licensing using LINQ on SQL Server 2011.

## Professional Skills

Languages : Javascript, Python, Autoit, HTML 5, CSS3, C++, C#, Golang, Bash

Libraries: Pylons, Flask, jQuery, React, Bootstrap, D3.js, SQLAlchemy, NoseTests

Technologies : Vim, Git, Postgresql, Ubuntu, Saltstack, Kubernetes, Google Compute Engine, Elasticsearch, Redis, Docker, Jenkins, Confluence, Jira, HAProxy, Nginx

General : Type 80 wpm, MVC Development, Scrum, Agile