

Employment

Student Assistant IT Specialist **San Francisco State University** **Nov 2014 – Aug 2017**

- Web development for projects built on Symfony2 PHP framework
- Deployment and automation of development environment using Docker, Vagrant and PuPHPet
- Apache Jmeter front-end load testing

Pipeline TD **Rhythm & Hues Studios** **Sept 2011 – Mar 2014**

- VFX production pipeline development and technical support
- Python and Perl development and scripting of tools and plugins

Operations and Render Support **Rhythm & Hues Studios** **Oct 2008 – Aug 2011**

- DevOps, Studio-wide Technical Support, Linux System Administration
- Render management, Archival and Backup of production and non-production data
- Bash, Perl, Python scripting of tools

Education

San Francisco, CA **San Francisco State University** **2014 – 2017**

- MS in Computer Science. GPA: 3.45

Technical Experience & Skills

Projects

- **mUzima Android** (2017). Android and Java web development for the open source platform OpenMRS and mUzima Android client. Improved data synchronization of mUzima using the OpenMRS REST API
 - <https://github.com/muzima/muzima-android/tree/expanded-cohort-someday>
 - Android, Java, Spring, Hibernate, Liquibase, Maven, REST, Gradle
- **SFSU Class Schedule search** (2016). Web development to revamp the University Class Schedule.
 - Demo: <http://sfsu.edu/online/clssch.htm>
 - Symfony2, PHP, HTML5, CSS3, JavaScript, jQuery, Bootstrap
- **Pictachio** (2015). An Android gallery app to view photos and videos. External 3rd party libraries used: Ion, PhotoView.
 - <https://github.com/vshl/Pictachio>
 - Android, Java, Gradle
- **Atmospheres** (2015). Front-end web development using AngularJS. Web application that visualized tweets around San Francisco.
 - AngularJS, Python, Flask
- **Surrealty** (2014). Web development using LAMP stack. An online web application to list real-estate properties. Application was deployed to AWS.
 - Linux, Apache, MySQL, PHP, Bootstrap, JavaScript, Google Maps API

Publications and Contributions

- **Watcheta**, a Pebble watchface: apps.getpebble.com/applications/5568e8d314bc604f05000062
- **mUzima**, Android-based mHealth platform that inter-operates with OpenMRS EMR
 - <https://play.google.com/store/apps/details?id=com.muzima>
- **Pictachio**, an Android gallery app to view photos and videos
 - <https://play.google.com/store/apps/details?id=me.vshl.apps.pictachio>