

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 Pipeline production development and technical support driven by Linux, Perl and Python technologies

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

- DevOps with technical support and Linux desktop engineering
- Troubleshooting user, system and network issues across the studio
- Perl and Python development and operation of tools for production and non-production backup and restore
- CG render queue management and support

Education

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

- MS in Computer Science. GPA: 3.45

Technical Experience

Projects

- **mUzima Android** (2017). Improved the data synchronization of the Android client for the OpenMRS platform. Updated the data model of the OpenMRS platform to deliver a delta payload via the OpenMRS REST API to the client.
 - Android, Java, Spring, Hibernate, Liquibase, Maven
- **SFSU Class Schedule search** (2016). Revamped the University class schedule. Demo: sfsu.edu/online/clssch.htm
 - Symfony2, PHP, HTML5, CSS3, JavaScript, jQuery, Bootstrap
- **Pictachio** (2015). An Android gallery app to view photos and videos for a classroom project.
 - Android, Java
- **Train Operating System** (2015). A tiny OS built using existing APIS for a classroom project. The C application interfaced with a model train.
 - C
- **Surrealty** (2014). An online web application that listed real-estate properties for a classroom project.
 - Linux, Apache, MySQL, PHP, Bootstrap, JavaScript, Google Maps API
- **Money Tracker** (2014). A web application inspired by SplitWise.
 - Ruby on Rails, JavaScript, CSS3

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>