

## Employment

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**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

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

- MS in Computer Science. GPA: 3.45

## Technical Experience

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### 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](http://sfsu.edu/online/clssch.htm)
  - Symfony2, PHP, HTML5, CSS3, JavaScript, jQuery, Bootstrap
- **Pictachio** (2015). An Android gallery app to view photos and videos.
  - Android, Java
- **Train Operating System** (2015). A tiny OS built using existing APIs. The C application interfaced with a model train.
  - C
- **Surrealty** (2014). An online web application that listed real-estate properties.
  - 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

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- **Watcheta**, a Pebble watchface: [apps.getpebble.com/applications/5568e8d314bc604f05000062](https://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>