

## 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 Vagrant and PuPHPet
- Apache Jmeter 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
- Assessing and implementing production workflows by developing proprietary tools and plugins for the production pipeline

**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, Aug 2017. GPA: 3.45

## Technical Experience

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### Projects

- **mUzima** (2017). Improved the data synchronization of the client using the REST API of the OpenMRS EMR platform. A Java project built around Spring, Hibernate, Liquibase, Maven stack.
- **SFSU Class Schedule search** (2016). Front-end Symfony2 development to revamp the University class schedule. Demo: [sfsu.edu/online/clssch.htm](http://sfsu.edu/online/clssch.htm)
- **Pictachio** (Fall 2015). An Android gallery app to view photos and videos.
- **Train Operating System** (Spring 2015). A tiny OS built using existing APIs. Developed a C application that interfaced with a model train.
- **Surrealty** (Fall 2014). An online application to list real-estate properties using the LAMP stack.
- **Money Tracker** (Fall 2014). A Ruby on Rails project inspired by Splitwise.

## Languages and Technologies

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- Java/Android, Python, Perl, C, JavaScript, HTML5, CSS3
- jQuery, Bootstrap, Symfony2, Spring, Hibernate, Liquibase, Apache Jmeter
- GNU/Linux, MacOS, Git, Subversion

## 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>