San Francisco, CA 94132

Vishal Ravi Shankar

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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 to artists
- Assessing and improving production workflows by developing tools written in Python and Perl

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 & Skills

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.
  – Android, Java
- **Atmospheres** (2015). Data analysis and visualization of Twitter using an ingestion engine. AngularJS provided the binding to the Flask backend.
  – AngularJS, Python, Flask
- **Surrealty** (2014). An online web application that listed real-estate properties.
  – 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