

Samuel Gluss

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EDUCATION

Student at San Francisco State University

B.S., Computer Science, Minor in Mathematics - 3.63 GPA (expected May 2016)

SKILLS

Languages - C++, Java, Javascript, Python, C, Ruby, PHP

Software - AWS, Android, Git, SVN, Windows, Linux, MYSQL, NOSQL

Techniques - Application Development, Data Analysis, Pattern Recognition, Agile/Scrum

IDE - Visual Studio, Eclipse, Netbeans, Matlab, R, Notepad++

RELEVANT EXPERIENCE

Software Metrics and QA

- Metaprogramming, Test Automation and Performance Analysis with Python and MatLab
- Code Complexity analysis

Advanced OS

- Implemented low level C operating system TOS
- Utilizes serial interface to communicate with model train hardware

Software Engineering

- Developed image licensing web application as team lead
- App built on AWS LAMP stack, with jQuery and Twitter Bootstrap

Pattern Analysis and Machine Intelligence with Matlab

- Eigenfaces for Recognition
- Mean Shift Feature Space Analysis
- Discriminant Eigenfeatures for Image Retrieval

Software development

- Produced an Android app in 10 weeks as project lead
- Managed with Agile/SCRUM methodology
- Utilized Google Maps/Directions, Yelp, Uber APIs asynchronously

BankPortal – educational bank balance simulator

- AWS Java server, SimpleDB NOSQL for user data and authentication
- HTML/JS/Angular.JS frontend

EMPLOYMENT

Teaching Assistant – *San Francisco State University*

2016 to present

- Responsible for developing curriculum for operating systems class
- Providing support to student teams

Electrical/Mechanical Engineer - *Seva Coffee*

2014 to 2015

- Designed and built mechanical prototype which was demo'd at Google Coffee Lab
- Designed and built electronic power and control systems

Production Technician - *Heliox Technologies*

2011 to 2014

- Surface mount electronics manufacturing and quality control
- Managed production runs of technical scuba diving electronics

Technician - *Cyanto*

2010 to 2011

- Testing and production of photovoltaic arrays which operated at 10,000X concentration
- Development and testing of high capacity cooling systems for PV arrays