

Tim Siwula

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EDUCATION

University of San Francisco

San Francisco, California

B. S. Computer Science

Jan 2014 — June 2017

- Relevant Coursework: Data Mining, Software Development, Data Structures & Algorithms, Parallel Programming, Programming Languages, Compilers, Operating Systems, Linear Algebra & Probability, Discrete Math, Calculus

RELEVANT EXPERIENCE

HappyCha.in

San Francisco, California

Blockchain/Full stack Developer

Jan 2017 — Current

- Deployed & configured: database, continuous integration, API, smart contracts (blockchain), node and ethereum servers.
- Published HappyChain NPM module that exposes our API.

Democratize Computing Lab

San Francisco, California

Research Assistant

Jan 2017 — Current

- Contributing to an open source javascript-to-java transcompiler & code generator project called App Inventor which uses a visual block language developed by MIT

Independent Contractor

San Francisco, California

iOS Developer

Jan 2016 — May 2016

- Incrementally updated storyboards using Xcode, tested user interactions and animations across multiple iOS emulators
- Implemented a pull-to-refresh animation using Objective-C on the client that would call a server side api

Independent Contractor

Phoenix, Arizona

Software Implementation

May 2015 — Jul 2015

- Lead project management and training of manufacturing software installation and configuration
- Trained staff on software workflow features while interfacing between branch and parent company IT department

Berkeley Labs

Berkeley, California

Science Web Programmer

May 2014 — Oct 2014

- Ported a linux OS and network file system to a new architecture
- Developed a front-end web application using javascript on google cloud

University of San Francisco

San Francisco, California

Web Services Developer

Jan 2014 — April 2014

- Supported clients and backend engineers to resolve web service requests
- Migrated existing backend software to Wordpress

PROJECTS

Ad Click Prediction, Data Mining

October 2016

Used random forests, bagging and SVM to create a model that predicts the likelihood of a user click through Created custom features by integrating several disjoint tables in increments of 500K using R and PostgreSQL.

TECHNICAL SKILLS

- **Programming Languages:** Java, C, R, Javascript, Python, Postgres
- **Platforms:** Linux, OS X, iOS, AWS, Heroku, Google Cloud
- **Protocols:** SSH, TCP/IP, DNS, HTTP, Git
- **Frameworks:** Express, React, Node
- **Languages:** Mandarin (elementary)