

Tim Siwula

tcsiwula@gmail.com | 415-770-2770 | linkedin.com/in/tcsiwula | github.com/tcsiwula
77 Van Ness Ave Suite 101-1614 | San Francisco, CA 94102

EDUCATION

University of San Francisco
B. S. Computer Science

San Francisco, California
Jan 2014 — June 2017

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

RELEVANT EXPERIENCE

SF Dev Shop
Junior iOS Developer

San Francisco, California
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
Software Implementation Intern

Phoenix, Arizona
May 2015 — Jul 2015

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

Berkeley Labs
Science Web Programmer Intern

Berkeley, California
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
Web Services Developer

San Francisco, California
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

Audio Search Engine, Software Development

December 2016

Finishing up the core functionality of the search engine which include and multithreaded InvertedIndex, partial & exact search and a web crawler. Developed in Java with a jetty server and static front end. Hope to port functionality to crawl audio files and make them indexable and allow a design centric search experience.

TECHNICAL SKILLS

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