

Tim Siwula

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EDUCATION

University of San Francisco
B.S. Computer Science

San Francisco, California
Jan 2014 — Dec 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, tested user interactions and animations across devices.
- Implemented a pull-to-refresh animation that would call a server side api.

Independent Contractor
Software Implementation Intern

Phoenix, Arizona
May 2015 — Jul 2015

- Lead in project management and training with software installation and configuration.
- Trained staff on software workflow features while working between business and IT departments.

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

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

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
- **OS Platforms:** Unix/Linux, OS X, iOS
- **Protocols:** SSH, TCP/IP, DNS, HTTP
- **Frameworks:** Express, AWS, Heroku
- **Languages:** English (fluent), Mandarin (elementary)