

Tim Siwula

tcsiwula@gmail.com | 415-770-2770 | San Francisco, CA | [linkedin.com/in/tcsiwula](https://www.linkedin.com/in/tcsiwula) | github.com/tcsiwula

EDUCATION

01/2014 — 05/2017: B. S. Computer Science @ University of San Francisco **San Francisco**

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

EXPERIENCE

01/2017 — Present: Developer @ Democratize Computing Lab **San Francisco**

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

01/2016 — 05/2016: Developer @ Independent Contractor **San Francisco**

- 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

05/2015 — 08/2015: Project Manager @ Independent Contractor **Phoenix**

- 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

05/2014 — 10/2014: Developer @ Berkeley Labs **Berkeley**

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

01/2014 — 04/2014: Developer @ University of San Francisco **San Francisco**

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

PROJECTS

01/2017 — Present: Developer @ HappyCha.in - <https://docs.happycha.in> **San Francisco**

- Deployed: private Ethereum blockchain network, PostgreSQL database, API, smart contracts.
- Configured: continuous integration with our GitHub repo to increase deployment speedup.
- Published: NPM module that called HappyChain that exposes our API to other developers.

TECHNICAL SKILLS

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