Timothy Casimer Siwula

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EXPERIENCE

Co-founder & Blockchain Developer   Jan 2017 - May 2017
HappyChain (YC Startup School)   www.happycha.in
- Deployed: private Ethereum blockchain network, PostgreSQL database, API, solidity 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

Research Assistant   Jan 2017 - May 2017
Democratize Computing Lab
- Contributed to an open source MIT project called App Inventor
- Worked on a javascript to java translator and code generator

Software Implementation Intern   May 2015 - Aug 2015
Independent Contractor
- 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

Science Web Programmer Intern   May 2014 - Oct 2014
Lawrence Berkeley National Laboratory
- Ported a linux OS and network file system to a new architecture
- Developed a front-end web application using javascript on google cloud

Developer   Jan 2014 - May 2014
University of San Francisco
- Supported clients and backend engineers to resolve web service requests
- Migrated existing backend software to Wordpress

EDUCATION

University of San Francisco   Jan 2014 - May 2017
B. S. Computer Science
- Coursework: Data Mining, Software Development, Data Structures & Algorithms, Parallel Programming, Programming Languages, Operating Systems, Linear Algebra & Probability, Discrete Math, Calculus, Compilers

PROJECTS

Individual   Jan 2017
The Comedy Bot   http://itimmy.com/comedybot
- Published: Messenger chatbot that is live in production on Facebook
- Deployed: Heroku node server that calls AWS lambda for requests

Individual   Dec 2016
Search Engine
- Designed: Inverted index data structure in Java that supports efficiency query and retrieval
- Implemented: Web crawler, file traverser and parser, server and front end

TECHNICAL SKILLS

- **Languages:** Java, C, R, Javascript, SQL, Solidity, English, Chinese
- **Tools:** Linux, Ethereum, AWS, Heroku, MacOS, Git, Terminal