

# Timothy Casimer Siwula

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## EXPERIENCE

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**Software Engineer** July 2017 - Present  
ConsenSys

- Protocol Engineering and Systems group, design and build the future of Ethereum interoperability & scalability

**Co-founder & Blockchain Developer** Jan 2017 - May 2017  
HappyChain (YC Startup School) [www.happycha.in](http://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

## EDUCATION

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**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

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**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

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