

# Tim Siwula

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## EXPERIENCE

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- **Carepoint Pharmacy** Chicago, IL  
*Software Engineer* October 2022 - July 2023
  - **VPN Infrastructure:** Implementing VPN account management servers written in Python and Django
- **Sophos** Chicago, IL (Remote)  
*Software Engineer* Jan 2022 - Jun 2022
  - **VPN Infrastructure:** Implementing VPN account management servers written in Python and Django
- **Acceptance AI** Chicago, IL (Remote)  
*Software Engineer* Jan 2020 - Jan 2022
  - **VPN Infrastructure:** Implementing VPN account management servers written in Python and Django
- **Enshigten** Chicago, IL (Remote)  
*Software Engineer* Jun 2019 - Dec 2019
  - **Dockerized test framework on Bamboo:** Worked between teams to port legacy test framework from protractor to cypress within docker.
  - **Data pipeline:** Updated Redshift and Hadoop tables in ETL pipeline to support new column for enhanced reporting capability.
- **ConsenSys** San Francisco, CA (Remote)  
*Software Engineer* Jul 2017 - Dec 2018
  - **Open-source:** Experience in open source development as an individual contributor on Blockchain R&D, Solidity, Web3, Smart Contracts, functional programming.
  - **Infra:** Experience provisioning Azure linux servers for teammates, along with ssh remote access.
  - **Continuous Integration:** Configured our teams GitHub repo with Travis CI to ensure the exclusion of failing code while automating passing builds.
  - **Shipped:** Worked on the Protocol & Systems Engineering team helping implement Pantheon, an Ethereum enterprise Java client.
- **HappyChain** San Francisco, CA  
*Co-founder* Jan 2017 - Dec 2017
  - **Deployed:** Ethereum blockchain network on AWS, PostgreSQL database, API, solidity smart contracts, web3.
  - **Configured:** continuous integration with our GitHub repo to increase deployment speedup.
  - **Published:** NPM module that called HappyChain that exposes our API to other developers.
- **University of San Francisco** San Francisco, CA  
*Research Assistant* Jan 2017 - Jun 2017
  - **Compilers:** Contributed to an open source MIT project called App Inventor. Worked on a javascript to java translator and code generator.
- **Berkeley Lab** Berkeley, CA  
*Science Web Programmer* Jun 2014 - Nov 2014
  - **System Migration:** Ported the Energy Sciences network testbed to a new architecture. This consisted of a linux OS and a network file system.
  - **Reservation System:** Developed a front-end web application using javascript on google cloud.

## PROJECTS

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- **HappyENS:** Open source domain name server (DNS) library for resolving \*.eth domains that are associated to an address on the decentralized web.
- **Ad Click Prediction:** Used random forests, bagging and SVM to create a model that predicts the likelihood of a user clicking through. Created custom features by integrating several disjoint tables in increments of 500K using R and Postgres.
- **The Comedy Bot:** Published: Messenger chatbot that was live in production on Facebook & Deployed: Heroku node server that calls AWS lambda for requests & Twilio sms chatbot.

## TECHNICAL SKILLS

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- **Programming Languages:** Java, C#, Dart, SQL
- **Web Development:** HTML, CSS, .NET, Flutter, TypeScript, JavaScript, Node.js, Express.js, Vue.js
- **Databases:** SQL (PostgreSQL, Microsoft SQL Server, MSSQL)
- **Cloud Services - AWS (Amazon Web Services):** Amazon Cognito, S3, SQS, Lambda, EC2, RDS
- **Software Tool:** Intelij, Docker, Git, Nginx, Terraform, Postman
- **Operating Systems:** Linux (Ubuntu, Debian), macOS, Windows
- **Networking:** TCP/IP, DNS, Firewalls, VPN
- **Language Proficiencies:** English: Native Speaker

## TECHNICAL ACHIEVEMENTS

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- **2017 - Winning team:** ETH Waterloo Hackathon, Waterloo, Canada.
- **2017 - Published:** HappyChain API SDK via node package module.
- **2014 - Participant:** Salesforce Hackathon, San Francisco, CA.
- **2014 - Participant:** ACM International Collegiate Programming Contest, San Francisco, CA.

## WORK AUTHORIZATION

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- **U.S. Citizen**
- **No sponsorship required**
- **Authorized to work in the United States**

## LEADERSHIP ACTIVITIES

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- **2020 - Subject Matter Expert:** Innovation Foundry Artificial Intelligence, United States Special Operations Command, Remote.
- **2018 - Hackathon Judge:** Hack in the North, IIIT-Allahabad, India.
- **2018 - Hackathon Judge:** World Crypto Economic Forum (WCEF), San Francisco, CA
- **2018 - Hackathon Mentor:** Decentralized Impact Incubator 6-week Hackathon, Washington, D.C. & Remote.
- **2017 - Hackathon Mentor:** ConsenSys Academy Hackathon, Dubai, United Arab Emirates.
- **2014 - President:** Resident Hall Council, University of San Francisco.
- **2013 - Volunteer:** Habitat for Humanity.
- **2010 - Director of Publicity:** Associated Students, Orange Coast College.

## EDUCATION

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- **University of San Francisco** San Francisco, CA  
*Bachelor of Science - BS, Computer Science* Jan 2014 - May 2017