Tim Siwula

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EDUCATION

- **University of San Francisco** — San Francisco, CA
  Bachelor of Science in Computer Science — *Jan. 2014 – May. 2017*

TECHNICAL SKILLS

- **Languages**: Python, Go, C, R, Bash, SQL, Java

- **Technologies**: Linux, AWS/GCP, Docker, Hadoop, PostgreSQL, Git, Terraform, Node.js, TensorFlow

EXPERIENCE

- **Acceptance AI** — Chicago, IL (Remote)
  Software Engineer — *SEPTEMBER 2019 - PRESENT*
  - **VPN Infrastructure**: Implementing VPN account management servers written in Python and Django

- **Ensighten** — Chicago, IL (Remote)
  Software Engineer — *Jun 2019 - Oct 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 — *Dec 2016 - Jun 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.

- **Lawrence Berkeley National Laboratory** — Berkeley, CA
  Science Web Programmer — *May 2014 - Oct 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.

- **University of San Francisco** — San Francisco, CA
  Research Assistant — *Spring 2014 and Spring 2017*
  - **Compilers**: Contributed to an open source MIT project called App Inventor. Worked on a javascript to java translator and code generator.

Projects

- **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 Achievements

- **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.

Leadership Activities

- **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.