SAM SHIH

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EDUCATION

Swarthmore College, Class of 2019   Swarthmore, PA
B.A. in Computer Science and Philosophy
Technical Skills (order of proficiency): C++, Python, Ruby on Rails, HTML5, CSS3, JavaScript/jQuery, C, MySQL, Java
Coursework: Data Structures/Algorithms, Artificial Intelligence, Computer Systems, Linear Algebra, Multivariable Calculus Honors

EXPERIENCE

Square   San Francisco, CA
Engineering Intern   Aug 2014 – Aug 2015
- Built an internal marketing bot that helps General Managers in 16+ cities manage courier job listings, ensuring we always had couriers to decrease the time it takes to launch markets in new regions
- Created the feature for disabling merchants, standardizing the way Square communicates with over 300 merchants. This allows relevant teams to always be notified whenever restaurants run out of ingredients, experience app issues, or reach their maximum order volume
- Built a tool that asynchronously generates and emails spreadsheets from merchant data about most popular dishes, ingredients used, commission earned, and order issues faced. Allows merchants to concretely measure their profit margins and determine what to sell more of at certain times after partnering with Caviar.

Caviar *(acquired by Square, $90 million)*   San Francisco, CA
Engineering Intern   Jun 2014 – Aug 2014
- One of first 6 engineers on team. Migrated the front/back end codebase from Rails 3 to Rails 4
- Styled the landing, cart checkout, landing, merchant, contact, help, and TOS pages
- Built the new internal CMS tool so other teams (marketing, dispatchers, ops) could communicate with merchants

HONORS

Philip Evans Scholar   July 2015
- Selected as 1 of 8 students from Swarthmore's Class of 2019
- The Phillip Evans Scholarship grants 8 students $17,500 to pursue worthy projects that provide opportunities for personal growth, creativity, and life-enhancing experiences

AXA Achievement Scholarship   May 2015
- Selected as 1 of 300 finalists of 10,000 applicants across US
- Grants $2500 to high school seniors who have excelled in creating educational opportunities in communities across the US

PROJECTS

Trump Bytes, *PennApps Hackathon XII*   Sept 2015
- A keyboard that allows users to send audio clips. Used caption and timestamp data from YouTube to pinpoint funny Donald Trump specific audio bytes
- Led the product design and worked with HTML, CSS, Node.js, and Microsoft Azure to deploy the app

Grapevine   Feb 2015 – Jun 2015
- A social media platform built with Ruby on Rails 4. Allows users to follow each other, post text and photo content

Plagiarism Detector   Nov 2015
- Finds the most common phrases across multiple documents, taking into account common phrases (prepositional phrases, articles, etc.) to calculate the number of plagiarism cases. Outputs a percent originality of a document. C++, UnitTest-CPP

LEADERSHIP

American Red Cross Youth Executive Board, *Chair*   Jun 2014 – May 2015
- Created the Bay Area's first Youth Board to direct all 20+ high school clubs in Northern CA
- Led the Bay Area's first youth CPR instructor program, switching the previous model away from paid staff to volunteer students. Since then, we have trained over 16,000 students

Interests: 9-year Vipassana meditation teacher, blogging (samshih.me), writing, music improvisation, ballet