

STEPHEN HSU

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EDUCATION

University of California, Berkeley

Expected Graduation: May 2017

Major: Bachelor of Arts, Cognitive Science

Emphasis: Computational Modeling

Relevant Coursework: Concepts in Computing with Data, Concepts of Probability, Linear Algebra & Differential Equations, Structure & Interpretation of Computer Programs, Computational Models of Cognition

TECHNICAL EXPERIENCE

Projects

- **Presidential Campaign Tweet Analysis (Side Project, July 2016):** Integration of Twitter API, Python, and Tableau to analyze presidential candidates' lingo's effects on favorites and retweets; formed into tag clouds.

Awards: Yhat, Inc: End to End Data Science Platform Contest 1st Place *September 2016*
Publication for work on Twitter analysis (<http://blog.yhat.com/posts/rodeo-presidential-tweets.html>)
- **University of San Francisco Student Profile Analysis (Side Project, July 2016):** Scraped through alumni and student profiles to identify trends amongst accepted MSAN students using R and XML.
- **Wells Fargo Portfolio Analysis (Side Project, Oct 2016):** Implemented machine-learning techniques such as random forest & decision trees with visualizations to predict customer portfolio diversity and growth.
- **University of California Departmental Analysis (Class Project, May 2016):** Analyzed and interpreted over 8 million-employee records to identify intercollegiate salary differences amongst departments.
- **Redditbot (Hackathon, December 2014):** Sentiment analysis of recent Reddit posts to check for harmful content. Redditbot down votes the user's post and displays the biggest offender.

WORK EXPERIENCE

Swimovation, Inc.

Junior Data Analyst

May 2016 – August 2016

- Created customized reports and dashboards weekly from QuickBooks data to provide insight into critical business questions relevant to company products using Tableau and Microsoft Excel.

Operations Associate

May 2015 – August 2015

- Generated a wide variety of documents such as reports and spreadsheets utilizing QuickBooks, compiled and verified data for entry, and routine email correspondence.

TECHNOLOGY SUMMARY

- Android Studio, Excel, Jupyter, Matplotlib, Python, Git, R, Seaborn, Spark, SQL, Scikit, Tableau

INTERESTS AND HOBBIES

Data Science Society at Berkeley

February 2016 – Present

- Pioneered with colleagues an institute to develop a cross-campus data science community.

Team USA U-24 Dragon Boat Championships Athlete

May 2013 – August 2016

- Represented Team USA against 30 other countries in the Under 24 division; won gold in the 500m