Li Zhao

lizhao1993@gmail.com●(909)224-5179●#1077, 525 Middlefield Rd, Redwood City 94063●github:lizhao1993

EDUCATION

Pomona College, Claremont, CA	2012-2016
Bachelor of Arts, Computer Science, Mathematical Economics	GPA: 3.5

SKILLS

Languages: Python(scikit-learn, numpy, nltk, pandas, opencv, django), Java, C#, C, SQL, JavaScript (AngularJS, React), CSS, HTML, Haskell, R, MATLAB, LaTeX

Tools and Programs: word2vec, ANTLR, Visual Studio, STATA

Human Languages: English, Chinese

WORK

Software Engineer (Full Stack), *Alation Inc., Redwood City, California*   2017 Dec-Present

- Implemented(React, django) frontend and backend features in data catalog application.

Software Engineer (Full Stack, Research), *Laserfiche, Long Beach, California*   2016 Jul-2017 Oct

- Designed and implemented research prototype for label and values extraction (Python) in document processing, integrating image processing, natural language processing and machine learning methods. Facilitated data collection and annotation process for machine learning models.
- Supervised two interns in building research prototype. Served as liaison for related image processing/ machine learning research at Harvey Mudd College.
- Redesigned and implemented frontend (AngularJS) and backend (C#, SQL Studio) features in QuickFields, a scanning and data capturing web application.

Published Author, *Academia Press (Shanghai), Changchun Publishing House*   2001-2014

- Since age 8, wrote and published 3 fiction and 1 non-fiction books in Chinese (*Dutty's Dare* was co-authored with John Howkins, British economist). Total copies sold: 69,000. Major prizes: *Top Ten Young Writers of China, Outstanding Individual-3rd China Creative Industry Annual Awards.*

RESEARCH

NLP Researcher, Towards Automating Screenplay Evaluation, Pomona College   2015 Sep-2016 Sep

- Built automate screenplay evaluation model with Python, classifying screenplays into producible and not producible. Model features an established IMSDB corpus and an independently collected corpus, and is the first use of amateur scripts in screenplay evaluation research. Prediction is built on engineered and extracted features, using the Random Forests, Bayes and SVM classifiers, with an accuracy of 91.27%. Research began as senior capstone and continued after graduation.
- Invited to present research at the Workshop for Young Female Researchers in Speech Science & Technology (YFRS) at Interspeech 2016 ($1500 travel grant) and the 2016 Grace Hopper Celebration.

Team Leader, Top Undergraduate Team, *Wharton PAC Case Competition*   2014 Mar

- Led team of three students in applied research project "*Applying Supervised Machine Learning-Based Models to Recruiting Processes*". Team constructed two SVM models to process real data for an organization, and significantly improved their recruiting efficiency.
- Team was one of six semi-finalist teams invited to the Wharton People Analytics Conference at the University of Pennsylvania, and the only undergraduate team among MBA/PhD teams.
- Invited to present research at the General Poster Session, 2015 Grace Hopper Celebration.

PROJECTS

Developer, *Quora Poem Maker*   2017 Jul

- Inspired by the popular "Poem Comprised of Quora Questions About Silicon Valley", made a poem generator that generates rhyming poems from Quora questions. Available at https://quora-poem.appspot.com/.

Android Developer, *NoFrogs*   2015 Apr-Nov

- In team, created a foreign language menu translator application prototype that converts from picture of menu to picture of dish, so the user will never accidentally order frogs at a restaurant. Responsible for initial conceptual design, implementation with Android Studio, interaction with AWS server via MMS, and general team planning. Development began at the 2015 SP 5C Hackathon.

Developer, *Student Content Management System*   2015 Jan-May

- In team of four, built a Student Content Management System for academic usage with Python and PyQt. Responsible for UI design, interactions with database, and general quality assurance.