Jasper Louie

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🖥 www.jasperlouie.github.io

Work Experience

2017-Present **Software Engineer**, *Google*, Mountain View, CA.
Working on rapid prototyping of exploratory advertising formats for small businesses with the Adwords Express team. Responsible for making front end and back end changes.

2016 **Software Engineer Intern**, *Google*, Mountain View.
Developed and tested a kernel USB Mass Storage driver in C for the Magenta Kernel and helped design the driver development kit and driver endpoints

2015-2016 **Data Curator**, *Kite*, San Francisco, CA.
Employed web scraping tools, NLP and ML tools to generate examples to be used in predictive code IDE

2015 **Software Engineer Intern**, *Apple*, Mountain View.
Developed test automations that simulated UI and shell input for the Apple Watch and iPhone and analyzed logs on devices to conduct failure analysis

Education

2013–2017 **Bachelor's Degree**, *University of California, Berkeley*, in Berkeley, CA.
College of Letters and Sciences, Double Major in Computer Science and Cognitive Science

Additional Experience

2016–2017 **Research Apprentice**, *International Computer Science Institute*, Berkeley, CA.
- Used transfer learning to retrain existing computer vision models to predict the latitude and longitude that a photo was taken under Dr. Gerald Friedland
- Worked on audio processing RNNs that predicted likelihood that a given audio sample was a cover or live version of an existing song

Fall 2016 **Robo–Joker**, *I256: Applied Natural Language Processing*.
Developed a recommender system that uses Doc2Vec and other features along with a regression model to predict what jokes a user would like from a scraped set of jokes.

Spring 2016 **Dear Jacky**, *CS160: User Interface Design*.
- An Android Wear/Mobile app for users who want to log their mental health
- Provided a companion who learns what makes you happy using NLP and responds with personalized positive reminders when the user is distressed
- Featured on the Jacobs Institute of Design website for "Best in Class"

Spring 2016 **Research Apprentice**, *UC Berkeley School of Information*, Berkeley, CA.
- Worked on generating a ground truth data set based on noisy data, and worked on its feature extraction with Dr. David Bamman
- Studied techniques for domain adaptation for modern NLP to classical literature

2014-2017 **Senior Mentor**, *Computer Science Mentors*, Berkeley, CA.
- Gave supplementary lectures for Data Structures and Algorithms to students who wanted help reinforcing core concepts
- Write the class curriculum and instruct junior mentors on proper teaching techniques