

## + data projects

### RecipEat: Recommend Recipe from Image of Ingredients

- Built a recommender application that suggests recipes from an image of ingredients.
- Trained a multi-label image classification model using convolutional neural networks.
- Used Keras as neural networks API with Tensorflow backend for deep learning.
- Acquired images web scraping with Selenium, and stored data using AWS.
- Used Flask as web framework and Pure CSS to design web app.

### Political Party Affiliation Tweet Predictor

- Built a classification model to predict whether a tweet is more republican or democratic.
- Applied NLP techniques on user timelines with an established political party affiliation.
- Acquired tweets through the Twitter REST API, and stored data using MongoDB.

### Classifying Marijuana Abusers with NSDUH

- Created classification model to predict if an individual suffers from (marijuana) addiction.
- Used National Survey on Drug Use and Health (NSDUH) to engineer features ranging from age of first usage to cross addiction with alcohol.

### Predicting Fantasy Football Points

- Made regression model with players' previous years stats to predict fantasy football points.

### NYC Turnstile Data

- Cleaned and analyzed NYC turnstile data to map out ridership profile of a subway station.

## + experience

### Metis

San Francisco, CA

#### Data Scientist

Jan 2017 to Current

- Fellow in an competitive data science immersive program designed in part by Datascope Analytics.
- Developed five end-to-end data projects with business applications.

### University of California

Davis, CA

#### Research Assistant

Jan 2015 to Sep 2016

- Conducted experiments for data collection, organized large data sets, analyzed results with SPSS Statistics, and designed graphs & visuals for effective communication.
- Collaborated with research team and also completed independent senior thesis project, studying female anxiety and depression.
- Presented Senior Thesis at Undergraduate Research Conference 2016.

### UC Davis Pre-Health Student Alliance

Sacramento, CA

#### Coordinator of Public Health Programming

Jan 2015 to Nov 2015

- Data mined health programs to recruit public health speakers and expand the conference.
- Organized logistics of the event by leading a team of interns and volunteers in the nation's largest Health Conference. <http://prehealthconference.ucdavis.edu/>

### Delta Dental Insurance Company

San Francisco, CA

#### Legal Department Intern

Jun 2014 to Aug 2014

- Developed a business policy that captures nationwide dental licensing requirements by cross-referencing pertinent healthcare laws.
- Organized large amounts of sensitive data and worked with Compliance Department executives to present findings to legal department.

## + summary

Data scientist with a neuroscience background, inspired by the interplay between these fields for their potential in Deep Learning. Proven ability to execute the scientific method: evaluate issues at hand, strategize plans, conduct research, collect data, analyze results, write reports, and communicate findings.

## + education

### University of California, Davis B.S. Neurology, Physiology, and Behavior 2016

GPA: 3.6/4.0

University's Honors Program

Dean's Honors List

Community Service Award

## + skills

**PYTHON:** Jupyter, pandas, scikit-learn, NumPy, NLTK, Keras, Flask

**MACHINE LEARNING:** Neural Networks, Deep Learning, NLP, Regression, Classification

**BIG DATA:** SQL, MongoDB, Spark, AWS

**DATA ACQUISITION:** Selenium, BeautifulSoup, APIs

**DATA VISUALIZATION:** D3.js (learning), Pure CSS (learning), matplotlib, seaborn

## + volunteering

Academic Success Center · Sep 2013 to Jun 2014  
Mathematics Tutor  
Davis, CA

- Tutored Statistics and Calculus for Biology & Medicine in individual and classroom settings.
- Prepared relevant subject matter and lesson plans each day for discussion.

UC Davis Medical Center · Sep 2013 to Mar 2014  
Pediatrics Department Intern  
Sacramento, CA

- Aided in mental or physical pain relief of children ranging from infants to teens in a nationally recognized medical facility.
- Supervised "play room" and ICUs by conducting interactive activities like music and art therapy for recovering patients.