

# Ashley S. Chang

Los Angeles, CA  
+15105791972  
ashleyschang@gmail.com  
github.com/ashleyshine

## Education

### B.S., Double major in Applied Math & Statistics

Sept. 2015 - June 2019

University of California, Los Angeles

- Cumulative GPA: 3.864
- Regents Scholar (UCLA's top academic scholarship - awarded to 100 students each year)

## Experience

### Software Engineer, Data Analysis

Oct. 2018 - Present

Factual Inc.

- Own pipeline for acquiring polygon data
  - Conduct detailed and large-scale analysis of new geospatial data sources to determine quality
  - Build tooling to collect polygon annotations (buildings and areas) in high-density locations
  - Prioritize and optimize acquisition process to collect polygons of highest value

### Data Analyst Intern

June 2018 - Sept. 2018

Factual Inc.

- Conduct feature engineering with geospatial data to improve predictive models using Python and SQL
- Improve feature evaluation pipeline using Luigi to allow for faster and more insightful experiments
- Design and build UI to collect polygon annotations for training place attachment models using HTML, Javascript, and Ruby on Rails

### Data Scientist Intern

June 2017 - June 2018

Ticketmaster

- Build and deploy machine learning models to production for generating personalized event recommendations using Spark, Hadoop, and Scala
- Build end-to-end framework to retrieve, prepare, and analyze data using AWS Data Pipeline
- Conduct graphical and quantitative exploratory data analysis in Python

## Skills

### Languages

- Python (NumPy, Pandas, Matplotlib)
- R
- Scala
- SQL (Postgres, PostGIS)
- HTML & Javascript

### Technologies

- Spark
- Hadoop
- AWS (S3, EC2, EMR, Data Pipeline)
- Git
- Bash
- Regex

## Relevant Coursework

### Programming

- Intro to Computer Science
- Python with Applications
- Statistical Programming with R

### Mathematics

- Linear Algebra
- Optimization
- Algorithms

### Statistics

- Linear Regression
- Data Mining and Modeling
- Design and Analysis of Experiments