

Nathan Chan

- nathanjchan2@gmail.com
650-430-3780
www.nathanjchan.com

Education

- Bachelor of Science, Double Major in Statistics & Computer Science Jun 2021
University of California, Davis
GPA: 3.7/4.0, Dean's Honor List, Minor in Political Science

Skills

- Python: numpy, pandas, seaborn, matplotlib, nltk, Jupyter notebooks
R: tidyverse, ggplot2, stringr, dplyr, ggmap
Data Science: machine learning, web scraping, visualizations, big data processing
Statistics: regression models, classification methods, probability, hypothesis testing, analysis of variance

Experience

- Data Analyst - Hibel Lab and HERD Lab, UC Davis May 2019 - Present
 - Created Python program to web scrape public data sets, used pandas to transform to consistent format
 - Wrote R code for data wrangling problems: parse, clean, and store survey data sets of 4300 observations
 - Engineered Linux and Python process to format brain imaging data
 - Rebuilt website for California Families Project with better design, features, and accessibility
- Course Assistant - Statistics 103 and 106, UC Davis Apr 2019 - Feb 2020
 - Grade and record homework assignments from 150 students in upper-division statistics courses
- Research Assistant - Asian American Center on Disparities Research, UC Davis Sep 2017 - Jun 2018
 - Designed, wrote, presented research poster at Undergraduate Research Conference at UC Davis
 - Performed ANOVA and regression analysis with sample size of 425 students

Projects

- Calories Per Dollar App - Kotlin in Android Studio Mar 2020 - Present
 - Input calories, servings, and price: output is calories per dollar, save items for future reference
 - Implemented the recommended architecture for Android apps and good engineering practices
- SF Chronicle Data Science Project - Python: numpy, pandas, html requests, nltk, matplotlib Feb 2019
 - Scrape sfchronicle.com for article information, like title, author, and date using html requests
 - Analyze website for most-used words using nltk for language processing and matplotlib for visualizations
- Craigslist Apartment Listings Data Science Project - R: ggplot2, ggmap, stringr Oct 2018 - Nov 2018
 - Clean, explore, and analyze apartment listings web-scraped from Craigslist
 - Found different living costs in LA, Sacramento, and SF and differences depending on price and location

Awards

- Certificate for outstanding achievement in presentation of research, UC Davis Apr 2019
Eagle Scout, Boy Scouts of America May 2016