

Nathan Chan

nathanjchan2@gmail.com — 650-430-3780 — [linkedin.com/in/nathanjchan](https://www.linkedin.com/in/nathanjchan) — github.com/nathanjchan

EDUCATION	Bachelor of Science, Statistics (Statistical Data Science) <i>University of California, Davis</i> Minor in Political Science, Dean's Honor List, Judicial Council Member (student government)	Jun 2020 (expected)
SKILLS	Languages: Python, R, SQL, C++ General: Data analysis, data science, data cleaning, machine learning, big data processing, data graphics (ggplot2, seaborn, pandas, numpy), data structures	
EXPERIENCE	Data Analyst <i>Hibel Lab and HERD Lab, Center for Mind and Brain, UC Davis</i> Write R scripts to clean hormone, heartbeat, and survey data for social science researchers. Built Linux and Python pipeline to format brain imaging data. Redesigned website for California Families Project (https://www.californiafamiliesproject.org/).	May 2019 - Present
	Course Assistant <i>Statistics 103 and 106, UC Davis</i> Grade and record homework from 150 students in upper-division statistics courses.	Apr 2019 - Present
	Research Assistant <i>Asian American Center on Disparities Research, Psychology, UC Davis</i> Designed, wrote, presented research poster at Undergraduate Research Conference at UC Davis. Performed data analysis with sample size of 425 students (ANOVAs, multiple regression in SPSS). Administered a survey and interview to 30 study participants individually.	Sep 2017 - Jun 2018
PROJECTS	Scraping and Analyzing the SF Chronicle in Python In Python, scrape sfchronicle.com for article information, like title, author, and date using html requests. Analyze website sections for most-used words using nltk for natural language processing and matplotlib for visualizations.	Feb 2019
	Querying and Analyzing Baseball Payrolls in SQL and Python In SQL and Python, query data from Lahman's Baseball Database, create visualizations in Python, and analyze the data. Used numpy, pandas, seaborn, and matplotlib for Python. Found that payroll increases as performance, win-rate, and home game attendance increases.	Feb 2019
	Predict Handwritten Numbers in R A set of R scripts that predicts handwritten numbers. Uses k-nearest-neighbors machine learning algorithm and can predict numbers with 95% accuracy.	Dec 2018
	College Scorecard Data Exploration and Analysis in R Explored and analyzed data about US colleges using R and ggplot2. Found differences in test scores between public and private schools, the impact of test scores on earnings, and differences in in-state and out-of-state tuition across states.	Oct 2018
	Analyzing Apartment Listings from Craigslist in R In R, clean, explore, and analyze apartment listings web-scraped from Craigslist. Used ggplot2, ggmap, and stringr. Found different apartment costs in Los Angeles, Sacramento, and San Francisco and how apartments and amenities differ depending on price and location.	Oct 2018 - Nov 2018
AWARDS	Certificate for outstanding achievement in presentation of research, UC Davis	Apr 2019
	Eagle Scout , Boy Scouts of America	May 2016