

GIBSON CHU

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EDUCATION	University of California, Berkeley B.A. Data Science and Economics Relevant Coursework: The Structure and Interpretation of Computer Programs, Foundations of Data Science, Probability and Mathematical Statistics in Data Science, Linear Algebra and Differential Equations, Website Design, Economic Analysis - Micro.	August 2016 - May 2020 GPA: 3.6
SKILLS	Languages: Python/numpy, Jupyter Notebook, HTML, CSS, JavaScript/jQuery, R, Scheme, SQL. Software: Photoshop, Illustrator, Lightroom, Indesign, Premiere, After-Effects, Excel.	
EXPERIENCE	Political Computer Science Data Project Researcher - Investigate the effects of gerrymandering throughout United States history and election cycles. - Compile a database of gerrymandering districts to visualize hypothetical re-districted changes. - Document a final report analyzing statistics and recent conversation about gerrymandering. Data 8 Teaching Assistant - Mentor 30 students through weekly lab sessions focused on Python and data projects. - Advise undergraduate student instructor on material for students new to computer science. Cal Hacks Logistics, Marketing, and Diversity Director - Plan annual largest student-run 36-hour hackathon for over 2300 hackers at UC Berkeley. - Utilized targeted email marketing through Sendgrid and search engine optimization to increase reach by 20%, receiving over 4000 hacker applications, 100 mentor apps, and 300 volunteers. - Oversee Facebook Business Page Ads and Hootsuite, consistently gaining 100 page likes a day. - Spearhead diversity pilot program for 50 new hackers, garnering over 300 student applications. The Daily Californian Weekender Editor & News Reporter - Lead a staff of 35 writers for published Sunday political, social, and cultural commentary. - Revamp Wordpress website design and Facebook/Twitter, boosting presence by 120%, through Yoast SEO focused readability with catchy headlines and descriptions for visibility. - Report on weekly investigative pieces & features focused on City Gov. and Crime & Courts. Center on Budget and Policy Priorities Media Intern - Tracked influence in media coverage through Google Alerts, CisionPoint, and TV Eyes, compiling over 70 articles daily for budget, tax, healthcare and food assistance policy experts. - Evaluated internal data analytic fact sheets with Google Analytics, Social Sprout, and Tweetdeck, improving Youtube and website views with social outreach by 25% and news citations by 50%. - Documented weekly 'In Case You Missed It' blog posts, politician quotes, and event notes.	September 2017 - Present August 2017 - Present December 2016 - Present August 2016 - Present June 2017 - August 2017
PROJECTS	Scheme Interpreter - Created an interpreter for functional programming features of Scheme using Python including lexical scoping, dynamic scoping, and tail recursion. Yelp Maps - Designed a Voronoi diagram with Python to visualize and predict user restaurant ratings through supervised and unsupervised learning implemented on the Yelp academic dataset. IMDb Rating to Money Earned Ratio - Constructed a data visualization project with Python to determine if there was a correlation between how much money a movie earned to its rating on IMDb. Song Genre Based on Lyrics - Developed a k-nearest neighbors classifier function with Python to guess whether a song is hip hop or country based on the number of times certain words appear in the song's lyrics.	October 2017 September 2017 May 2017 April 2017
INTERESTS	Cal in the Capital, UCB Data Scholars, Asian American Journalism Association, American Boys State.	