

# Jessica Li

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[jesstsomethoughts.github.io](https://jesstsomethoughts.github.io)

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## OBJECTIVE

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Applying skills in modeling and programming to distilling and disaggregating data into applications in healthcare and life sciences, especially to advance and contribute to social good

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## EDUCATION

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University of California, Los Angeles

Expected Jun 2023

- GPA: 4.0 | *BS in Computational & Systems Biology, Minor in Digital Humanities*
- Relevant Courses: Probability and Statistics, Linear Algebra, Differential Equations, Discrete Math, Programming with R and C++, Modeling for Life Sciences, Public Health Fundamentals, Biology, Physics, Chemistry, Philosophy, World Politics, Global Media and Information, Digital Humanities

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## SKILLS

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Languages: Chinese (bilingual proficiency), Spanish (limited working proficiency)

Programming: Python (NumPy, Pandas, Selenium), R, JavaScript, React, Tableau, HTML, CSS, Bootstrap, SQL, AWS, Java, C++

Other: Adobe Suite (Photoshop, Illustrator, Indesign), Microsoft Office (Excel, Word, Powerpoint), CPR and First Aid Certified

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## RELEVANT EXPERIENCE

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*BigData DevOps Engineering Intern, ServiceNow*

Jun—Sept 2022

- Created new workflow widget to visualize 30+ pipelines in BigData framework to reduce turnaround time for patching errors
- Configured data visualizations to be directly editable by users in the UI through API calls in the backend

*Research Assistant, Native Hawaiian and Pacific Islander Data Policy Lab*

Aug 2021—Present

- Track COVID-19 data for the NHPI population, data cleaning a million+ rows of census data with R and Python scripts, creating dashboards and linear regression models
- Work cited in 3 papers and podcasts, generating positive feedback among local community organizations and individuals

*Research Assistant, Ritz Epidemiology Lab*

Jun—Sept 2021

- Conducted data collection and consistency checks with R and combed through Access databases for 10,000+ participants in Parkinson's, Environment, and Gut study
- Created 3 new databases with 100+ tables and inputs for Phase 3 of the study, ensured data accuracy with regular data checks

- Co-Founder, Find My Vax Santa Clara* Mar—Jun 2021
- Developed [React-based website](#) and Twitter bot for county residents to centralize COVID-19 vaccine appointment access after compiling information from 20+ website scrapers
  - More than 10,000 site users and booked vaccine appointments that led to collaboration with Gardner Health Services and its affiliated partners

- Peer Learning Facilitator, Academic Advancement Program* Sept 2020—Present
- Coded 3 course-specific escape rooms and created 50+ pages of worksheets in academic workshops for up to 20 students in programming and organic chemistry courses
  - Lead discussions and promote discussions and connection among peers, which reflected in increased exam scores by more than one letter grade and friendships outside of session

- Research Intern, Complete Genomics/BGI* Jul—Sept 2020
- Improved the efficiency of the sales funnel by creating 2 quote calculators for 90+ products through writing up to 5-line Excel formulas
  - Advocated for and researched COVID-19, creating more than 100 pages of informational content published on company's website

- The Stack & Arts and Entertainment Contributor, Daily Bruin* Oct 2019—Present
- Collect and analyze data to develop interactive visualizations for student newspaper's data & tech blog with Python and JavaScript libraries
  - Research stories, contact and interview sources, and produce articles in fast turnarounds of less than a week; attend section meetings and meet with editors weekly

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### ADDITIONAL EXPERIENCE

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- Finance Director, Los Angeles Community Engagement and Services* Sept 2021—Present
- Co-founded community service organization dedicated to providing sustainable volunteering opportunities
  - Lead a team of 5 members to apply for \$5000+ in grants

- Director, Fellowship for International Service and Health* Sept 2020—Present
- Lead a team of 10 associates to provide health and educational services for the community of Maclovio Rojas, Mexico
  - Manage and apply for more than \$10,000 received in grants annually

- Co-Founder, Metanoia Company* Jul 2020—Present
- Edtech startup in the Startup Labs UCLA Fellow Cohort, managing 10 interns in expanding literacy and discourse for children
  - Built React website from scratch with prototype on Heroku, developing custom virtual library of more than 100 books, preparing to deploy on AWS

- Research Assistant, UCLA Depression Grand Challenge* Sept 2019—Sept 2020

- Ensured high quality and clinical best-practices of 700+ unique pieces of online cognitive behavioral therapy modules through comprehensive copywriting and analyzing content
- Researched the link between mental health and homelessness in college student populations and how to adapt treatment to specific barriers

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### **HONORS, AWARDS & INTERESTS**

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Dean's Honors List x7 — all quarters at UCLA

Chi Am Circle Scholarship Recipient, May 2019

Interests: cheesy but gouda puns, hiking/running up mountains, piano/guitar/ukulele