

Lynn Gao

Lmgao@uci.edu | Garden Grove, CA | (714) 723-8618 | www.linkedin.com/in/lynngao228

Education

Data Science, *University of California, Irvine*

09/2018 – present

Member of UCI's Campuswide Honors Collegium.

Member of ICS Department Honors Program.

Member of Women in Information and Computer Science (WICS).

3.92 GPA

Projects

LA Engineer Salary

09/2020

- Tested whether the average engineering salary in Los Angeles' public sector is greater than the U.S.' average engineering salary.
- Used R to conduct Bayesian analysis on Los Angeles City Employees data.
- Used a Beta-Binomial model for the prior, likelihood, and posterior distributions. Created 95% credible interval for the posterior distribution.

Modeling COVID-19 Spread

06/2020 – 08/2020

- Simulated social distancing and Covid-19 infection spread within models of UCI's Mathematics Department.
- Used Python to create various network models (spatial, scale-free, block, etc.) and simulate Covid-19 infection spread within these models.
- Used enrollment data from Spring 2020 to increase accuracy of social distancing simulations.

Water Wells During The California Drought

08/2019 – 10/2019

- Created a user-friendly representation of California's climate and water well level data spanning 35 years of the California Drought.
- Used R, R's Shiny package, and Shinyapps to implement this project as an interactive website.

Skills

Microsoft Office • Python, R, C++, Matlab

Professional Experience

Computer Services Helpdesk Technician, *UCI School of Social Sciences*

02/2020 – present

Addressing computer support questions by phone, setting up computer equipment, installing software, and resolving computer issues.

Instructor, *Aloha Mind Math, Cerritos*

09/2018 – 01/2020

Taught students to master complicated mental math, such as calculating three-digit multiplication.

Languages

English • Mandarin