

# Lynn Gao

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

---

**Lab Tutor Coordinator, UCI School of Information and Computer Science** 09/2020 – present

Scheduling tutors in labs, collating tutor feedback from students, keeping class attendance, maintaining tutoring website, etc.

**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.

**ICS Lab Tutor, UCI School of Information and Computer Science** 09/2019 – 03/2020

Working in lab and giving students "first aid" help as they work on their lab assignments.

**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

**Awards**

---

**Emerging Researcher Scholarship**, *UCI Office of Financial Aid and Scholarships* 2020  
Campuswide scholarship for students who demonstrate a diverse perspective, background, or mindset and have taken part in research work as an undergraduate.

**National Merit Scholarship - Finalist**, *National Merit Scholarship Corporation* 2018

**Dean's List**

---

2018 • 2019 • 2020

**Conferences**

---

**Grace Hopper Celebration** 09/2020 – 10/2020

**California Water Data Challenge Summit** 10/2019

**Google CSR Workshop at CSULB** 02/2019

**SoCal AI & Data Science Conference 2019** 10/2019