

Ying Sun

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EDUCATION

Stanford University

PhD in Cellular, Molecular, Developmental Biology

GPA: 3.51/4.0

Relevant Coursework: Leadership, Public Speaking, Negotiations, Communication, Cultivating Healthy Relationships, Design Thinking, Management

Achievements: Stanford Community Impact Award, Diversity fellow alternate

Stanford, CA

Sept 2013- Jan 2020

University of California, San Diego

BS in Biochemistry, Cell Biology

GPA: 3.43/4.0

GRE: Q 155 V 153 Analytic 4.5

Achievements: Future business leaders of America National competition: Awarded 1st in Market analysis & decision making, Awarded 2nd in Small Business Management Plan

La Jolla, CA

Sept 2008- June 2012

RESEARCH EXPERIENCE

Post-PhD Doctorate/ Instructor

UC Riverside

- Assertive in utilizing Bash, R, and Python to explore 40TB of datasets to develop a process for understanding how DNA diversifies in rice. Researching the genome wide diversity impact of DNA on rice.
- Design research-based classroom modules and disseminate them to local middle and high school students and teachers, making science more accessible. Pre-COVID plans were to reach 400 students over 2 months

PhD student / Dissertation researcher

Stanford

- Funded for 3 years by the NSF graduate research fellowship.
- Discovered novel pathways that allow plants to better respond and tolerate changing environments.
- Secured \$3.5 million collaborative grant based on research findings.
- Managed collaborations across 4 time zones and presented research widely and to diverse audience – 2 to 3 conferences per year over the course of 6 years. Received several awards for excellent communication.

INDUSTRY EXPERIENCE

Associate Scientist, GENEWIZ

La Jolla, CA

- Improved throughput by problem solving and optimizing protocols. Carried out experiments and related analysis to process >400 samples per day per week.
- Committed toward being an effective team player by helping the team reach the company's quarterly goals and by providing excellent communication and customer service when interacting with clients.

LEADERSHIP/COMMUNITY SERVICE

CONSULTING and BIOTECH CLUB - Participant

2018- Current

- Participated in workshop series, network with consultants and industry experts, practiced >60 case and fit interviews to date, gain a new network of peers at Stanford.

STANFORD TZU CHING VOLUNTEERING CLUB - President

2014- 2020

- Led a team of 10 undergraduate and graduate students to coordinate >20 diverse volunteering and service activities with 5-10 different bay area communities. Work was recognized campus wide for impact.

COMMUNITY AND DIVERSITY COORDINATOR - Main Lead/Coordinator

2013- 2017

- Designed and executed bi-monthly events to foster community among 250 graduate students. Acted as first person of contact for common graduate student problems such as domestic violence, mental health, and community safety or standards violations.