Yongzi Yu

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EDUCATION

Columbia University   *New York, NY*
MS in Biostatistics   *9/2021-6/2023*
University of California, Irvine   *Irvine, CA*
BS in Biological Science, Minor in Statistics & Psychology   *9/2015-9/2019*
- Major GPA: 3.67, Dean's Honor List (GPA>3.50)
- Undergraduate Research Opportunities Program (UROP) Fellow Awardee

HEALTHCARE EXPERIENCES

Johnson and Johnson, Medical Device Department   *Shanghai, China*
Health Economics and Market Access Intern   *4/2021-8/2021*
- Performed literature search using relevant search engines e.g. PubMed to collect clinical and scientific data for real-world evidence (RWE)
- Worked in tailoring health economics and outcomes research models (including Cost-Effectiveness Model, Decision Tree Model, Budget Impact Model, etc.) to support market access in China
- Applied statistical methods to analyze and interpret patient data and did data clean to provide user-friendly data tables using R (R Markdown, ggplots, etc.)
- Worked closely with Sales/Marketing/Strategical Key Account/Government Affairs team to participate in global projects and wrote pitch deck to support access and value communication

Pfizer, R&D Center   *Shanghai, China*
Junior Clinical Data Analyst   *5/2020-4/2021*
- Reviewed data and send queries to ensure the clinical trial data quality using Excel (pivot table, vlookup, etc.)
- Streamlined the workflow and improved the efficiency by 50% for the team utilizing SQL
- Designed Case Report From (CRF) of clinical trial and wrote data development plan (DMP) by following protocol
- Got involved in business side of drug development such as new product launch, supply chain, marketing, and sales
- Collaborated and fostered relationships with clinicians, hospital admins, and statisticians for process optimization

St. Joseph's Hospital   *Orange County, CA*
Health Scholar (Partnership with UCLA Executive Programs in Health Policy and Management)   *7/2019-12/2019*
- Led a group of 5 fellow students to participate in hospital management discussions to improve patient experience
- Reduced ER burden by using Lean when shadowed the hospital C-Suites in a process improvement (PI) initiative
- Assisted 10+ physicians and nurses to provide high-quality care as a member of the health care delivery team

Project: Bi-clustering Analyses on Single-cell RNA-seq from Human Cardiac Reprogramming   *Irvine, CA*
Research Assistant, supervised by Dr. Weining Shen   *7/2017-9/2019*
- Discovered unknown disease patterns by applying machine learning and statistical techniques including clustering, principal component analysis, and bi- clustering and analyzed 300 samples of single-cell RNA-seq using R
- Conducted literature review of 200+ by reading scientific journals and synthesized findings for the group
- Delivered the presentation at Undergraduate Research Opportunity Program (UROP) to 50+ attendees

POSTERS & PRESENTATIONS

- Annabel K. S., Emily A., Yuncai C., Yongzi Y., Aiden P., Tallie Z. B., "Estrus Protects Females from Impaired Learning following Multiple Acute Stress", Neuroscience 2018 in San Diego (Manuscript in preparation)
- Yongzi Y.,"Sex Differences in Effects of Multimodal Stress on Dendritic Spines in the Hippocampus", Undergraduate Research Opportunity Program (UROP), University of California, Irvine, May 2018 UROP_Poster

TEACHING EXPERIENCES

Biological Science Physiology Lab   *Irvine, CA*
Learning Assistant   *1/2019-6/2019*
- Supported classroom instruction by offering personalized and small group assistance to students' learning
- Tutored students individually or in small groups to help improve their performance on exams and awarded the Certificate of Learning Assistant for the outstanding feedback received from students