

Helen Zhang

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EDUCATION

Columbia University

Expected May 2021

Master of Public Health: Epidemiology (Dean's Scholar)

GPA: 4.03/4.0

Certificate: Comparative Effectiveness and Outcomes Research

Relevant Coursework: Analysis of Categorical Data, Decision Analysis for Clinical and Public Health Practices, Statistical Computing with SAS, Health Systems, Determinants of Health

University of Wisconsin – Madison

May 2018

B.S. in Microbiology (Graduated with Distinction, Dean's List)

GPA: 3.86/4.0

Certificate in Global Health

ACT: 35

WORK EXPERIENCE

Columbia University, Department of Epidemiology

June 2020 - Present

Graduate Research Assistant, Dr. Parisa Tehranifar

New York, NY

- Developed methods and code to process and synthesize 100k data points across 75 study participants using SAS to deliver summarized insights to Principal Investigator.
- Documented study methodology and SAS code into 20+ page codebook to align efforts with study sites in Lebanon, Uruguay, and Guadeloupe.

Wisconsin Department of Health Services

June 2020 – Present

Contact Tracer (Bilingual)

Madison, WI

- Interviewed 7+ people per day using Motivational Interviewing to obtain information vital to state-wide COVID-19 contact tracing efforts.
- Synthesized patient information and collected real world data through client interviews.
- Documented 20+ pages of PHI a day with scrupulous attention to detail to support epidemiologists.

Simpson Street Free Press

June 2018 – August 2019

Chief of Staff, former Health and Sciences Editor

Madison, WI

- Led 15+ teen editors in a publication-wide initiative for a new health and history series that resulted in a strategic partnership with the Rennebohm Foundation and increased sponsorship from UW-Madison.
- Built and sustained relationships with multiple media outlets in Madison to place 10+ student interns.
- Developed database on 200+ students, measuring key educational outcomes and performance to advise curriculum change and track student progress.
- Assisted in grant application process, resulting in over \$100,000 in new funding.

University of Wisconsin-Madison, Department of Veterinary Medicine

May 2017 – August 2018

Undergraduate Assistant/SPUUR Scholar, Dr. Chad Vezina

Madison, WI

- Designed an independent research project on the effects of collagen production in BPH and LUTS.
- Presented research to fellow peers and other laboratory mentors at national symposiums.
- Published four collaborative papers in peer-reviewed journals, two as first author.

Volunteer Experience

UW-Hospital and American Family Children's Hospital

Jan 2016 – May 2018

Volunteer

Madison, WI

- Provided ad-hoc administrative and operational assistance in the pharmacy, child life, and P8 unit.
- Gained relevant familiarity in medical and drug supplies to QC inventories in the pharmacy clinic.

First Author Publications

Zhang, H. L., Ruetten, H., Wegner, K. A., ... & Bjorling, D. E. (2019). Impact of Sex, Androgens, and Prostate Size on C57BL/6J Mouse Urinary Physiology: Functional Assessment. *American Journal of Physiology-Renal Physiology*.

Zhang, H. L., Ruetten, H. M., Wegner, K. A., ... & Bjorling, D. E. (2019). Factors Driving Unique Urination Phenotypes of Male and Female 9-week-old C57BL/6J Mice. *bioRxiv*, 641167.

Skills

Computer Programs: SAS, R, Stata, TreeAge, Excel, Adobe InDesign

Languages: English, Chinese, French

Interests: Tennis, Ice Skating, Baking, Violin, Dog Parkour, Reading, Bubble Tea, BTS