**Helen Zhang**helen.z@columbia.edu | 608-217-3941 | Madison, WI

**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