

Yifan Wu

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Education

University of Nebraska-Lincoln <i>Ph.D. Statistics</i>	2022 – Present <i>Lincoln, NE</i>
University of Nebraska-Lincoln <i>M.S. Food Science and Technology – bioinformatics</i> <ul style="list-style-type: none">• Minor: Statistics• GPA: 3.872/4	2020 – 2022 <i>Lincoln, NE</i>
University of Nebraska-Lincoln <i>B.S. Food Science and Technology</i> <ul style="list-style-type: none">• GPA: 3.755/4	2016 – 2020 <i>Lincoln, NE</i>

Research Experience

Graduate Research Assistant <i>University of Nebraska-Lincoln, Lincoln, NE</i>	2020 – 2022 <i>Advisor: Bing Wang, Ph.D</i>
<ul style="list-style-type: none">• Project 1: Comparative Assessment of Human Exposure to Antimicrobial-Resistant <i>Salmonella</i> due to the Consumption of Various Food Products in the United States<ul style="list-style-type: none">* Conduct a systematic review and meta-analysis (SRMA) to summarize the prevalence and concentration of different types of AR <i>Salmonella</i> in foods and identify the knowledge gaps* Develop a stochastic comparative exposure assessment model to estimate the relative contribution of food groups to overall foodborne exposure to AR <i>Salmonella</i>• Project 2: Predictive Microbiology Methods for Enhancing Microbial Safety of Soy-sauce-based Products<ul style="list-style-type: none">* Develop predictive models and a software tool to assist R&D process to ensure microbial safety in addition to challenge tests	
Undergraduate Researcher <i>University of Nebraska-Lincoln, Lincoln, NE</i>	2020 <i>Advisor: Devin Rose, Ph.D.</i>
<ul style="list-style-type: none">• Project: Characterizing milling properties, baking quality and protein digestibility of historical and modern wheats<ul style="list-style-type: none">* Measured wheat quality by SKCS	

Publications

Wu, Y. (2022). Comparative Assessment of Human Exposure to Antibiotic-Resistant *Salmonella* due to the Consumption of Various Food Products in the United States. (Master Thesis, University of Nebraska- Lincoln, Lincoln, NE, United States)

Liu, Sujun, Lan Xu, Yifan Wu, Senay Simsek, and Devin J. Rose. 2022. "End-Use Quality of Historical and Modern Winter Wheats Adapted to the Great Plains of the United States" *Foods* 11, no. 19: 2975.

Research Presentations

Yifan Wu, Antimicrobial-resistant non-typhoidal *Salmonella* in various food at retail in the United States: A rapid systematic review and meta-analysis. Poster presentation delivered on IAFP 2021, Phoenix, AZ, July 2021.

Teaching & Mentoring experience

Teaching Assistant for STAT 218: Intro to Statistics

University of Nebraska-Lincoln, NE

2022

Teaching Assistant for FDST 132

University of Nebraska-Lincoln, NE

2021

Awards & Honors

College of Agricultural Sciences and Natural Resources Dean's List

University of Nebraska-Lincoln, NE

2020

Top 15% College level scholarship, 6 times

University of Nebraska-Lincoln, NE

2016 –2019

Specialized Skills

Software & Programming language: R, Python, SAS, @Risk

Course: Design & Analysis Algorithms, Real Analysis, Machine Learning