

# Zichun Xu

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**Email:** zx87@uw.edu

**Phone:** (203) 909-8683

**Research interests** High-dimensional statistics, selective inference, and their application in genomics

**Education** **University of Washington** Seattle, WA  
PhD in Biostatistics September 2023 – Present

**Yale University** New Haven, CT  
MS in Biostatistics September 2021 – May 2023

**Fudan University** Shanghai, China  
BS in Biotechnology 2017 September – June 2021

**Publications** **Cell-type-specific co-expression inference from single cell RNA-sequencing data.**  
Chang Su, **Zichun Xu**, Xinning Shan, Biao Cai, Jingfei Zhang, and Hongyu Zhao.  
*Nature Communications* 14.1 (2023): 4846.

**Probability-of-Decision interval 3+3 (PoD-i3+3) Design for Phase I Dose Finding Trials with Late-onset Toxicity.**  
**Zichun Xu** and Xiaolei Lin.  
*Statistical Methods in Medical Research*, 31.3 (2022): 534-548.

**Research experience** **University of Washington**  
Independent Research (Advisor: Daniela Witten, Ali Shojaie) February 2024 – Present  
Semi-supervised learning; prediction-powered inference.

**University of Washington**  
Research Assistant (Advisor: Daniela Witten) October 2023 – Present  
Selective inference with randomized response

**Fred Hutchinson Cancer Research Center**  
Research Assistant (Advisor: Jing Ma) September 2023 – Present  
Differential graphical model for microbiome data.

**Yale University**

