

# Hao Wang

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## Education

**University of California, Berkeley**

Expected Graduation: May 2021

*Master of Art in Biostatistics*

Cumulative GPA: 3.90/4.00

**University of Illinois at Urbana-Champaign**

Graduation: May 2019

*Bachelor of Science in Statistics*

Cumulative GPA: 4.00/4.00

## Experience

**University of California**

Berkeley, CA

**Graduate Student Instructor —PH142 Intro of Prob and Stats to Biology and Public Health**

Aug 2019-Present

- Lead two weekly 2-hour lab sections and meet with 60-70 students to discuss biostatistics-related problems;
- Prepare material for and grade lab sections, assignments, two midterms and final; hold weekly 1-hour office hours
- Aid with technical issue about R including but not limited to coding, debugging and computing

**University of Illinois**

Champaign, IL

**Research Assistant — Influenza A Virus**

Aug 2018-Present

- Collaborate with National Institute of Health team; researched in and worked on flu data 10 hours per week
- Discriminate genomic difference between flu infected patients and healthy patients
- Screen important features and stratify subpopulations of cellular density in high dimensional cytometry datasets

**University of Illinois**

Champaign, IL

**Research Assistant — Microbiome**

Feb 2018-Aug 2018

- Collaborate with National Center for Supercomputing Applicants team; contributed for 5-6 hours per week
- Compare different biological features to predict patients' ovarian cancer status using machine learning methods
- Select important genes and improve patients' status prediction by using marginal screening with different testing

**University of Illinois**

Champaign, IL

**Teaching Assistant — STAT 415 Applied Regression and Design**

Jan 2019-May 2019

- Attend each class and prepare everyday homework solution; collect feedback from classes and homework
- Supervise and grade 2 exams; support other teaching assistants during office hour to answer questions
- Participate in weekly meeting to discuss feedback and assist instructors to improve the class contents

## Publication

- Walter, K., Zhu, R., Welge, M., Scherler, K., Park, J., Rahil, Z., **Wang, H.**, Auvil, L., Bushell, C., Lee, M., Baxter, D., Bristol, T., Rosas, L., Cervantes-Medina, A., Czajkowski, L., Han, A., Memoli, M., Taubenberger, J., Kash, C., (2018) "Differential effects of influenza NA, HA-head and HA-stalk antibodies on peripheral blood leukocyte gene expression during human infection." *mBio*, Accepted

## Skills

- R (Advanced), SAS (Intermediate), Excel (Intermediate)