

# Yun He

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(917) 392-5646

## EDUCATION

### Columbia University, Mailman School of Public Health

New York, NY

Master of Science in Biostatistics, Theory and Methods Track, GPA: 4.16/4.0

Expected May 2020

- Relevant coursework: Biostatistical Methods, Data Science, SQL/SAS Programming, Survival Analysis, Analysis of Longitudinal Data, Clinical Trial Methodology, Analysis of Health Surveys, Principles of Epidemiology
- Designed website to showcase data analysis results using R Markdown, and hosted website on GitHub
- Conducted statistical analysis using machine learning techniques to predict patients' heart disease status

### Fudan University, School of Public Health

Shanghai, China

Bachelor of Medicine in Preventive Medicine

June 2018

### State University of New York at Albany

New York, NY

Exchange student for one semester

December 2016

## SKILLS & CERTIFICATIONS

- Software: SAS, R(Shiny), SQL, SPSS, LaTeX, Microsoft Access/Word/PowerPoint/Excel
- Certificates: SAS Certified Base Programmer for SAS 9, SAS Certified Advanced Programmer for SAS 9
- Languages: Mandarin Chinese, English

## RESEARCH EXPERIENCE

### Columbia University, School of Nursing

New York, NY

#### Research Assistant, Co-management and Burnout in Clinical Setting

May 2019-present

- Entered, cleaned and managed data from 400 subjects, and built regression models to explore relationship between effective co-management and burnout related outcomes in clinical setting
- Write manuscript to summarize findings and submit for publications

### Columbia University, Department of Biostatistics

New York, NY

#### Research Assistant, LATino Sleep and Health (LASH) Study

June 2019-present

- Conduct longitudinal data analysis to help resolve sleep deficiency using Mixed Models and Cumulative Link Mixed Models, and explore bidirectional relationship between sleep and other modifiable factors
- Write statistical reports, and present results to professor and collaborators monthly

### Columbia University, Department of Biostatistics

New York, NY

#### Research Assistant, Virological Dynamics in HIV-infected Infants

May-August 2019

- Analyzed longitudinal data using t-test with multiple comparison adjustment and Generalized Estimating Equation (GEE) in R to examine differences of blood test results between case and control groups
- Conducted trajectory analysis in SAS to classify patients into 3 categories based on their development patterns

### Fudan University, Department of Epidemiology

Shanghai, China

#### Research Assistant, Chronic Obstructive Pulmonary Disease

November 2016-November 2017

- Collaborated with a team of primary care physicians and researchers from Center for Disease Control and Prevention on design and implementation of a cross-sectional study with 300 patients
- Conducted logistic regression to analyze survey data and identify risk factors for pain problems in SAS

## WORK EXPERIENCE

### Columbia University, Mailman School of Public Health

New York, NY

#### Teaching Assistant, Introduction to Biostatistical Methods

September-December 2019

- Collaborated with instructor and 2 other teaching assistants teaching 80 students with non-Biostatistics backgrounds
- Held 3 office hours per week to answer questions, explain concepts and provide technical support of R programming

### IQVIA, Department of Primary Intelligence

Shanghai, China

#### Summer Intern

May-July 2018

- Collaborated with team members to accomplish an annual health report for pharmaceutical consulting firm by analyzing survey data and researching on health policies and pharmacies
- Managed datasets using Microsoft Excel (VLOOKUP function) and presented results using Microsoft PowerPoint

## PUBLICATION

- Xiao T, Zhou X, **He Y**, et al. Pain problems for patients with mild and moderate chronic obstructive pulmonary disease—a community-based study in Shanghai. *Journal of Pain Research*. 2017; 10: 2247–2252.