

BOYA GUO

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EDUCATION

Columbia University, Mailman School of Public Health, New York, NY

Expected May 2019

Master of Public Health in Epidemiology with a certificate in Applied Biostatistics

- *Relevant Coursework:* Design and Conduct of Observational Epidemiology, Application of Epidemiological Research Methods, Analysis of Categorical Data, Data Science, Applied Regression, Foundations of Public Health, and Public Health Interventions

Emory University, Emory College, Atlanta, GA

May 2017

Bachelor of Arts in Human Health

- *Honors:* Honor List Student for all semesters; Alpha Epsilon Upsilon member

SKILLS & CERTIFICATIONS

Software: SAS (SAS® 9 Certified Base Programmer), SUDAAN, R, SQL, STATA, MS Office Suite, Access, Covidence

Certifications: HIPAA, CITI Human Subjects

Languages: English, Chinese, Japanese

RESEARCH EXPERIENCE

Columbia University, Herbert Irving Comprehensive Cancer Center, New York, NY

May 2018-Present

Graduate Researcher

- Investigate the adherence of chemoprevention with anti-estrogens among high risk breast cancer patients, the risk of developing breast cancer, and side effects/toxicity using the Electronic Health Record (EHR) for the Columbia Doctors Faculty Practice
- Extract and clean the EHR data, and use SAS to generate models to determine which predictive factors influence the adherence of chemoprevention
- Created and presented scientific poster and manuscript on the Masters Student Research Symposium at Columbia University

Rollins Schools of Public Health, Emory University, Atlanta, GA

May 2015-Aug 2017

Research Assistant, the Hubert Department of Global Health, May 2017-Aug 2017

- Screened and extracted over 200 relevant papers for WHO-sponsored systematic review and meta-analysis studying the association between maternal hemoglobin levels and anemia on maternal and child health
- Worked closely with colleagues to summarize findings of work and determine the differential associations between maternal hemoglobin concentrations and anemia by timing of measurement

Research Assistant, the Nutrition and Health Sciences Program, May 2017-Aug 2017

- Used STATA to recode descriptive variables and conducted secondary quantitative data analysis on Demographic and Health Surveys (DHS) dataset
- Investigated the association among women's empowerment and women and children nutritional outcomes in Ethiopia, Kenya, Rwanda, Tanzania, and Uganda

Research Assistant, the Emory Global Diabetes Research Center, May 2015-May 2017

- Conducted secondary quantitative data cleaning and analysis using SAS and STATA, and collaborated on the development of the manuscript, poster, and conference abstract
- Evaluated the reproducibility of Nutrition Transition-Food Frequency Questionnaires for urban adolescents in South India
- Investigated adolescent eating patterns, eating behaviors and beliefs in a globalized context with nutritional transitions in new versus established urban centers in South India

WORK EXPERIENCE

Columbia University, Mailman School of Public Health, New York, NY

Sep 2018-Present

Graduate Teaching Assistant

- Worked as teaching assistant for Analysis of Categorical Data offered to Full-time, Part-time, and Accelerated MPH/MS/MHA candidates
- Hold office hours, created homework and grading rubric, graded assignments, and assisted instructors creating study guides and course materials

New York University School of Medicine, Department of Population Health, New York, NY **Jun 2018-Sep 2018**

Data Analysis Intern

- Performed data cleaning, coding and complex survey analysis using SAS on NHANES, CHIS and YRBS datasets to investigate the non-alcoholic fatty liver diseases patterns among children and adolescents across racial and ethnic groups
- Conducted literature reviews, fact-finding and assist in preparing journal articles, reports, and policy briefs
- Developed a deeper understanding of culturally and linguistically appropriate approaches to research, outreach, community partnerships, and care delivery in Asian American populations

Emory University, Winship Cancer Institute, Atlanta, GA

Sep 2016-May 2017

Work-Study Student

- Redesigned the CancerQuest cancer education project website (<https://www.cancerquest.org>), interviewed cancer specialists, researched and educated cancer patients cancer biology mechanisms

Wuhan Center for Disease Prevention and Control (WHCDC), Wuhan, Hubei, China

May 2014-Aug 2014

Intern

- Collected and analyzed community health assessment dataset on HIV and Hepatitis B prevalence in Hubei Province, China, using STATA

PUBLICATIONS & PRESENTATIONS

- Shaikh NI, **Guo B**, Venkat Narayan KM, Patil SS, Kuriyan R, Cunningham SA. Eating Behaviors of Adolescents in New versus Established Urban Centers in South India. *Submitted to American Society for Nutrition, Experimental Biology, April 22-26 2017, Chicago, IL.*
- Shaikh NI, **Guo B**, Rebecca K. Raj, Kurpad A, Venkat Narayan KM, Cunningham SA. Reproducibility and Validity of a Nutrition Transition-Food Frequency Questionnaire for Urban Adolescents in South India.
- **Guo B**, Shaikh N, Raj R.K, Kurpad A., Cunningham S. Reproducibility of the Nutrition-Transition-FFQ among urban Indian adolescents. Emory University Biology Undergraduate Research Symposium. Atlanta, April 2016.

LEADERSHIP & COMMUNITY SERVICE

Team Epi Training, New York City Department of Health and Mental Hygiene, New York, NY

Nov 2017

Graduate Student Volunteer

- Participated a two-hour training program from New York City Department of Health and Mental Hygiene on how to collect data and conduct interview in outbreak investigations

Sino-American Pharmaceutical Professionals Association-Greater Philadelphia (SAPA-GP) Student Development Workshop, New York, NY

Oct 2017

Public Relations Department Associate

- Organized and hosted 2017 SAPA-GP Biopharma Career Development Workshop event
- Introduced speakers from Merck & Co., Bristol-Myers Squibb, Klus Pharam, QuintilesIMS and Ariel Investments, and led the round table discussions between speakers and participants

Emory Vida Volunteer Organization, Atlanta, GA

Mar 2016-Aug 2017

Public Relations Chair

- Participated in 32 hours of direct patient care experience for four 8-hour clinical days in Guatemala under the supervision of licensed physicians
- Performed basic physical exams, patient interviews, and assisted with prenatal wellness checkups
- Organized Emory Vida Volunteer meetings and helped raise student awareness of the organization

2017 Intramural Emory Global Health Case Competition, Atlanta, GA

Feb 2017

Contestant

- Worked as one of the twelve health consulting teams in a global case competition contest to address palliative care challenges for cancer and HIV/AIDS patients in Indonesia and Papua New Guinea