

# Grace Yunzhi Qian

100 Haven Avenue Apt #13H New York, NY 10032  
Phone: 858-766-8134 Email: yq2251@columbia.edu

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## EDUCATION

Columbia University Mailman School of Public Health

**Master of Public Health in Biostatistics**

New York, NY

May 2020 (*expected*)

- Epidemiology of Chronic Diseases Certificate
- Courses: Regression, Analysis of Categorical Data, Statistical Computing with SAS, Probability, Data Science

University of California, San Diego

**Bachelor of Science in Human Biology**

San Diego, CA

June 2018

## SKILLS & CERTIFICATIONS

**Certifications:** SAS Certified Base Programmer for SAS 9, SAS Certified Advanced Programmer for SAS 9

**Software:** Proficient in SPSS, R, SAS, MySQL, GIS, Microsoft Word, Excel, and PowerPoint

**Language:** Mandarin, English

## RELEVANT WORK EXPERIENCE

**Data Research Assistant**

**May 2019 – current**

Division of Preventative Medicine and Nutrition, Columbia University Medical Center (*Dr. David Seres*) New York, NY

- Investigate the prognostic value of malnutrition in heart failure patients using health care EMR Allscripts
- Conduct literature review and scientific writing to identify potential predictive variables
- Generate multivariable models with SAS to determine predictive factors of heart failure

**Clinical Research Assistant**

**December 2018 – current**

Department of Pediatrics, New York-Presbyterian Hospital (*Dr. Shiu-Lin Tsai*)

New York, NY

- Extract, clean and analyze 200+ sickle cell patient health data using SAS and Microsoft Excel
- Develop Microsoft Excel Macro programs to extract data from patient charts for more efficient analysis
- Summarize results in progress report, co-authored abstract, manuscript and conference poster

**Teaching Assistant**

**September 2019 - current**

Columbia University Mailman School of Public Health

New York, NY

- Work for MPH Core Curriculum Determinants of Health studio, lead 2 ISP groups with 47 students

**Summer Data Analysis Intern**

**July 2018 – August 2018**

Jiangsu Province Hospital of TCM (Traditional Chinese Medicine)

Nanjing, China

- Performed data cleaning, merging and statistical analyses with SPSS
- Provided statistical analysis expertise for a Traditional Chinese Medicine clinical trial with 500+ patients
- Created statistical reports about pre-treatment clinical registry, laboratory results for various biomarkers

**Medical Research Lab Assistant**

**February 2017-May 2018**

Pediatric Diabetes Research Center, UCSD School of Medicine (*Dr. Wenxian Fu Lab*)

La Jolla, CA

- Supported with organizing mice colony and genotyping the mice using PCR technique
- Attended weekly meetings and seminars, and managed multiple tasks to meet varying deadlines
- Performed basic research lab techniques including DNA isolation, plasmid extraction, and immunostaining
- Received extensive training in scientific writing and information categorization

**Triton Edge Program Mentor**

**July 2016-Sept 2016**

International Center, UCSD

La Jolla, CA

- Developed and led group discussions on a bi-weekly basis with 20 incoming international students
- Facilitated weekly campus culture meetings to help students make a smooth transition to college life

## PRESENTATION & PUBLICATION

**Qian, Y., Bombacie, M., Tsai, S., et al. (Oct 2019).** Acupuncture for Sickle Cell Pain Management in Pediatrics: A Promising Non-Opioid Therapy Emerges. Poster presented at 2019 American Academy of Pediatrics National Conference