Yunyue (Paris) Zhang

Data scientist with broad experience in research, multi-tasking, and large dataset analysis with strong verbal and written communication skills, technical and analytical calibers, and business acumen.

+1(408)893-6045   [LinkedIn](#)   yuz4003@med.cornell.edu

EDUCATION

Cornell University   Sep 2019 – present
M.S., Biostatistics and Date Science (in progress)   New York, NY

University of California, San Diego   Sep 2011 – Mar 2016
B.S., Joint Degree Mathematics and Economics, GPA 3.2   San Diego, CA

SKILLS & TRAINING

· Proficient in **R** (3YOE) and **SQL** (2YOE); familiar with **shell scripting language** (3YOE)
· Trained rigorously in **statistics** and **modeling** through past position and Cornell's graduate program
· Gained 15 DataCamp course certificates in **R**, **SQL**, and **Python** (and ongoing)
· Finished Data Science Specializations training by Johns Hopkins University on Coursera

PROFESSIONAL EXPERIENCE

Scripps Research Institute   La Jolla, CA
Research Data Scientist   Sep 2016 – Feb 2019
Research Intern   Jun 2016 – Aug 2016

· Translated clinical questions to analytical questions, conducted research and data analysis, and communicated frequently as primary data analyst for 12 projects with 9 teams using **R**;
· Queried, processed, and analyzed data as primary programmer from Blue Cross Blue Shield Association (BCBSA) health insurance claim relational database on 56 million US members using **SQL** and **R**;
· Provided technical support in **R** and **SQL** to Stanford University on BCBSA database;
· Established and taught Data Analysis Bootcamp in **R** for 30+ interns, PhD students, and scholars;
· Co-authored in 7 peer-reviewed articles and published 2 posters;
· Presented at 2 conferences, 1 computational biology camp, and 6 research meetings and journal clubs.

Hujiang CCTalk & various other
Entrepreneur, Curriculum Builder & English Instructor   May 2014 - present

· Delivered 300+ unique lectures, accrued 394,000+ views, gained 32,900+ 5 star-ratings, and had 14,000+ student followers globally.

OTHER EXPERIENCE

CITIC Securities Co. Ltd.   Shenzhen, China
Financial Analyst Intern   Jul 2015 – Jan 2016

· Conducted time-series analysis on high-frequency intra-day data of 6,000+ SHSE and SZSE stocks and observed trends that did not comply with market efficiency theory.

Brookings Institution   Washington, DC
Communications Intern   Sep 2014 – Dec 2014

· Collaborated and coordinated with research departments to prepare for event handouts and materials;
· Assisted in event management for 40+ events and conferences.

University of California, San Diego   San Diego, CA
Alumni Ambassador   Jun 2013 – Sep 2014

· Outreached and interviewed 100+ UCSD alumni to reflect on their experiences;
· Engaged alumni globally and consolidated their connections to the school.

Chinese Students & Scholars Association, UC San Diego   San Diego, CA
Vice President, Outreach and Public Relations   May 2012 – Apr 2014

· Led a team of 20+ student staffs and won the first 5-digit cash sponsorship from local Citi Bank.

PUBLICATIONS

PEER-REVIEWED MANUSCRIPTS

1. Wineinger NE, **Zhang Y**, Topol EJ. Trends in Prices of Popular Brand-Name Prescription Drugs in the United States. (2019). JAMA Network Open. doi:10.1001/jamanetworkopen.2019.4791.

2. Wineinger NE, Barrett PM, **Zhang Y**, Irfanullah I, Muse ED, Steinhubl SR, Topol EJ. Identification of paroxysmal atrial fibrillation subtypes in over 13,000 individuals. (2019). Heart Rhythm, 16(1), 26-30.

3. Muse ED, Wineinger NE, Spencer EG, Peters M, Henderson R, **Zhang Y**, Barrett PM, Rivera SP, Wohlgemuth JG, Devlin JJ, Shiffman D, Topol EJ. Validation of a genetic risk score for atrial fibrillation: A prospective multicenter cohort study. (2018). PLoS Medicine, 15. PMCID: PMC5849279.

4. Ajayi T, **Zhang Y**, Suarez M, Wineinger NE. *Biophysical markers and patient reported outcomes: gaining objectivity in assessing acute on chronic pain in children with serious illnesses.* [In preparation]

5. Jaiswal S, **Zhang Y**, Mishra, Wineinger NE, Owens R. *Freshmen's pattern of sleep duration and health conditions.* [In preparation]

6. **Zhang Y**, Wineinger NE, Barrett PM. *Kidney and urinary microbiome following kidney transplant.* [In preparation]

7. Dazy M, Waldram J, **Zhang Y**, Wineinger NE, White AA. *Misoprostol use in the post-test behavior in consumer genetic testing.* [In preparation]

PUBLISHED ABSTRACTS & POSTERS

1. Jun 27, 2017: *Unraveling the secret of biologic drugs usage in the U.S.* International Chinese Statistical Association (ICSA) Applied Statistics Symposium. Chicago, Illinois

2. Oct 20, 2016: Wineinger NE, Schrader B, Molparia B, **Zhang Y**, Spencer EG, Muse ED, Topol EJ, Torkamani A. *MyGeneRank: a smartphone app to empower patients with their genetic risk.* American Society of Human Genetics (ASHG) Annual Meeting. Vancouver, British Columbia

PRESENTATIONS
External

1. Jan 23, 2018: *A general description of BCBS database and study results.*
   Clinical Excellence Research Center (CERC), Stanford University, California

2. June 27, 2017: *Unraveling the secret of biologic drugs' usage in the U.S.*
   ICSA Applied Statistics Symposium. Chicago, Illinois

3. June 30, 2016: *Gene Cards, Career Development,* and *Intro to t-tests.*
   Computational Biology Camp. La Jolla, California

Scripps Research Translational Institute

4. Apr 9, 2018: *False-positive results in DTC genetic testing.* SRTI Journal Club. La Jolla, California

5. Mar 9, 2018: *Assessment of ~1.5 billion health insurance claims.* SRTI Research Meeting.

6. Mar 27, 2017: *Evolocumab and clinical outcomes in patients with cardiovascular disease.* SRTI Journal Club.

7. Dec 9, 2016: *Kidney and urinary microbiome following kidney transplant.* SRTI Research Meeting.

8. Aug 19, 2016: *A little bit of everything.* SRTI Intern Research Meeting.

9. July 11, 2016: *Personalized nutrition by prediction of glycemic responses.* SRTI Intern Journal Club.

WORKSHOP

1. Jun 27 – 28, 2018: Data Analysis for Biomedical Research Bootcamp. SRTI. La Jolla, California.