

Zelos Zhu

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WORK EXPERIENCE

New York State Psychiatric Institute

Aug. 2019 – Present

Research Assistant, Department of Mental Health Data Science

New York, NY

- Developing R Package and R Shiny Web app to implement parallel processing when conducting permutation tests for neuroimaging data, documentation available at <https://zeloszhu.com/parPerm>
- Conducting simulations to isolate interaction effect through use of permutation test
- Investigating new methods of interpretable machine-learning models

New York Presbyterian Hospital

May. 2019 – Sep. 2019

Research Assistant, Department of Radiology

New York, NY

- Applied neural network to assess quantification of breast MRI fibroglandular tissue (FGT) and background parenchymal enhancement (BPE)
- Evaluated the global trend in artificial intelligence (AI)-based research productivity involving radiology and its subspecialty disciplines
- Developed website and ANKI deck as education materials for the study of breast cancer and breast MRI

University of California San Francisco

Jun. 2017 – Jul. 2018

Data Analyst, Breast Care Center

San Francisco, CA

- Utilized cluster analysis to identify molecular subtypes of invasive lobular carcinoma in patients enrolled in the I-SPY2 Trial
- Studied the use of Blueprint subtypes as a predictor of response to HER2 targeted therapies
 - Topic won Best Poster at UCSF Breast Oncology Program Scientific Retreat

SCAN Health Plan

Jan. 2017 – Jun. 2017

Data Analyst Intern

Long Beach, CA

- Discovered key drivers behind voluntary disenrollment and factors that determine Net Promoter Score

Doctor Evidence

Jul. 2016 – May. 2017

Clinical Evidence Analyst

Santa Monica, CA

- Extracted data and information from clinical research publications into a digital template. Publications included: meta-analyses, systematic reviews and summary papers on variety of disease states

EDUCATION

Columbia University Mailman School of Public Health

Expected May. 2020

Biostatistics, M.S.

New York, NY

- Graduate Teaching Assistant Fall 2018
 - Data Science I
 - Biostatistics Methods I

University of California, Los Angeles

Jun. 2017

Statistics, B.S.

Los Angeles, CA

Mathematics, Minor

SKILLS & INTERESTS

- **Skills:** R, Python, SQL, Git, Tableau
- **Interests:** Making coldbrew; Basketball; Baseball; Bouldering; Fishing