Zelos Zhu

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WORK EXPERIENCE

Boehringer Ingelheim   **June. 2020 – Present**
Statistical Programmer Co-op, Department of Biostatics and Data Science   *Ridgefield, CT*
- Generate ADaM datasets from SDTM sources according to Statistical Analysis Plans from Phase II/III trials
- Produce and QC statistical outputs like TLFs for clinical study report using both SAS & R
- Develop multiple R-Shiny Apps to visualize internal data targeted at data management and clinical operations end users

New York State Psychiatric Institute   **Aug. 2019 – May 2020**
Research Assistant, Department of Mental Health Data Science   *New York, NY*
- Developed 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
- Conducted simulations to isolate interaction effect through use of permutation test

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

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 Promotor Score

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, SAS, SQL, Git, Tableau
- **Interests:** Making coldbrew; Basketball; Baseball; Bouldering; Fishing