Anand Rajan

328 West 83rd Street   (352) 256-9115

New York, New York 10024   anandrajan44@gmail.com

EDUCATION

Columbia University Mailman School of Public Health   **September 2020-May 2022**

Masters of Public Health (Class of 2022)

    Concentration: Biostatistics and Data Science

    Certificate: Comparative Effectiveness and Outcomes Research

Relevant Coursework: Statistical Computing with SAS, Analysis of Categorical Data, Relational Databases and SQL programming, Regression Analysis, Data Science I&II, Probability, Decision Analysis, Analysis of Large Datasets, Statistical Inference, Intro to Randomized Controlled Trials, Applied Methods-Outcomes Research

University of Florida   **May 2020**

Bachelor of Public Health

RESEARCH

Principal Biostatistician   **January 2022- May 2022**

Columbia Irving Medical Center – Vagelos College of Physicians

- Designed and managed data analysis as the principal biostatistician for a retrospective cohort study for Dr. Michael Mangold, Department of Psychiatry
- Investigated the effect of drug use on the link between childhood trauma and later life cognition
  - Pulled and cleaned cognition data from the MIDUS national study database and conducted exploratory analysis to understand the association between childhood trauma and adult cognition
  - Conducted moderation analysis via regression analysis using linear/generalized mixed effect models in R
  - Presented research at annual Columbia Biostatistics Department Symposium

Research Assistant/Data Analyst   **January 2018-July 2019**

UF Health Center for Movement Disorders

- Computed and analyzed health data as a research assistant for Dr. Aparna Shukla, Department of Neurology
- Investigated the characteristics of the tremor and dystonia in patients with progressive supranuclear palsy (PSP) and other atypical forms of Parkinson's disease
  - Examined medical records of patients diagnosed with PSP and identified presence of tremor or dystonia that was then classified based on body distribution
  - Calculated a numerical analysis of patients that were identified with Tremor/Dystonia through excel
  - Presented research at the 71st American Academy of Neurology Annual Meeting

PROFESSIONAL EXPERIENCE

Monitor Support Tech   **May 2017-June 2020**

Internal Medicine Intensive Care Unit in UF Health/Shands

- Read and Monitored Electrocardiograms to identify instances of heart arrythmia or dysfunction
- Developed familiarity with accessing and inputting information in electronic health records in Epic

SKILLS

Software: Microsoft Excel, SAS(advanced), mySQL(intermediate), R(advanced), GitHub, STATA, MS Office

Methods: Linear and Multivariable Regression, ANOVA analysis, Logistic Regression and Model Building, Data Visualization and Tidying, Survival Analysis, Statistical Machine Learning, Propensity Score Analysis