Jaisal Amin

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Professional Summary

Dynamic and organized individual with proven record of completing complex projects working both individually and in groups of people with diverse academic backgrounds. Seeking intern position to further develop analytic skills and contribute to the success of the organization.

Education

MS – Biostatistics | Columbia University Mailman School of Public Health | *New York, NY*
Track: Theory and Methods
Anticipated Graduation Date: May 2020

BS – Biological Sciences | North Carolina State University | *Raleigh, NC*   **December 2017**
Concentration: Integrative Physiology and Neurobiology
Minors: Genetics, Hindi
GPA: 3.5/4.0

Experience

Research Intern (IRTA) | National Institute of Environmental Health Sciences (NIEHS) | *Durham, NC*
May 2016 – July 2018
- Planned and executed my own research project under the supervision of a postdoctoral fellow in the Developmental Neurobiology lab at the NIEHS
- Conducted a variety of both qualitative and quantitative assays aimed at examining the relationship between the hormone norepinephrine and feeding behavior
- Analyzed a wide array of data sets using a variety of statistical tests, including ANOVAs and regressions, to determine the significance of our results
- Created dozens of graphs and figures for grant proposals and publications
- Presented my research at various poster sessions and symposiums within the NIEHS

Cell Culture Development Co-op | Biogen Inc. | *Durham, NC*
January 2018 – June 2018
- Worked with Senior Chemical Engineers on chemostat cell culture process for protein production
- Analyzed bioreactor data to support the development of cell culture manufacturing processes for recombinant protein production in the small-scale cell culture development lab
- Evaluated continuous operation technologies using statistically designed experiments
- Utilized creative problem-solving tools to remedy problems that presented themselves throughout the course of the project
- Prepared presentations and reports for upper level management on success and viability of the project

Academic Achievements

Scholarship Recipient | Daniel L. Solomon Scholarship, NCSU College of Sciences
Dean's List | North Carolina State University
Member | NCSU University Scholars Program

Technical Skills

R • Microsoft Office • Graphpad Prism • EthoVision • Adobe Illustrator • ImageJ Fiji • NeuroExplorer •
Immunohistochemistry • Gel Electrophoresis • Cryosectioning • Microscopy Imaging • Scientific writing