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Maurano Lab,
Institute of Systems Genetics,
Science Building 823U, 435 E 30th Street,
New York, NY, 10016

Dear Dr.Maurano,

I am writing to express my interest in the Scientific Programmer position at the Maurano Lab, as advertised on your lab website. As a prospective graduate with a dual degree in Computer Science and Neuroscience from Boston University this winter, I am eager to bring my unique interdisciplinary skills and passion for technology to your team.

At Boston University I developed a strong foundation in software development and data analysis, working on projects such as a city wide analysis on animal reports or an app for music collaboration.
During my time at Groupsoft, I worked on Hourstock; an application in which different roles within a company had to interact with each to manage resources. This experience allowed me to manage data in a real world contest and work within a diverse team to deliver business necessities.

My coursework in computer science was complemented by my studies and research in neuroscience, where I gained an in-depth understanding of cognitive processes and decision making. At an Undergraduate Research Opportunity Program I worked with patients to capture hip abduction movement via a virtual task. I used Python and MatLab to analyze the relationship between degrees of movement and BMI. In the Gabel Lab I was responsible for analyzing the behavior of C.Elegan Specimens under anesthesia, using image analysis and a touch assay. This combination of computer science and neuroscience has equipped me with a distinctive perspective in understanding multi-faceted data analysis and project organization.

I am particularly drawn to Maurano Lab because of the research in synthetic regulatory genetics and the emphasis on leveraging technology to solve meaningful problems. I believe my background in both software engineering and neuroscience would allow me to bring a unique perspective and I am eager to learn from the talented professionals at the Maurano Lab and to contribute to your ongoing success.

Thank you for considering my application. I am excited about the possibility of joining the Maurano Lab and contributing to your team. I look forward to the opportunity to discuss how my skills, enthusiasm, and fresh perspective can meet the needs of your organization.

Sincerely,
Raghu Nema