Brian J. Wiley

107 W. Monument St. Unit GC

Baltimore, MD 21202

February 17, 2020

Mr. Lance Eck

Human Resources Recruiter

Genentech, Inc.

1 DNA Way  
South San Francisco, CA 94080

Dear Mr. Eck,

I am pleased to submit my application for the **INTERN - PHARMA TECHNICAL OPERATIONS - PROTEIN ANALYTICAL CHEMISTRY** position that is currently posted on the Genetech website. Currently in my second semester as a Master of Science student in Bioinformatics at Johns Hopkins University, my interests focus on genetic neurodegenerative diseases and neurodevelopmental disorders such as Autism, Muscular Dystrophy, and Alzheimer’s, with additional interest in issues related to cancer research. As such, I am passionate about looking at genetic analysis and regulatory components of genetic disease. My passion and goal is work in the field of pharmaceutical engineering imlplementing how powered algorithms to develop small molecule inhibitors for proteins related to these diseases.

Although my previous background was in Finance, I became interested in Bioinformatics during my work at SAP. As such, I prepared for graduate work in Bioinformatics by taking extensive coursework in Math, Statistics, Biology and Biotechnology, and Computer Science. My current experience includes a Biotechnology wet lab in manipulating DNA in E. coli, Organic Chemistry, Biochemistry and Molecular Biology.

I have experience in data visualization from my previous work as an analyst for a solar company, as well as 3 years experience with R and databases such as MySQL, Oracle BI, and SAP Data Warehouse platforms. My recent years in school exposed me to Java and Python in most of my computer science and algorithms courses. The GitHub link below shows my experience in Java, Python, R and Shell Scripting. In conjunction with my formal education, a am also a self-learner who looks into various ways to increase my aptitude for Python coding in Machine Learning and Data Science libraries. Additionally, my 3 years of coding background in Python, R and Java would contribute to my success in this internship role, along with my ability to work across multiple teams in Organic Chemistry, Biochemistry, Molecular Biology and Epigenetics.

In closing, I am a self-taught programmer who created scripts for most of my classes, and my interests extend far beyond the scope of the classroom. I have statistics background for analyzing datasets and data visualization in R and Python, along with wet lab experience with bacteria and equipment used to manipulate DNA. I have a passion for learning and helping people through science and medicine. I look forward to an opportunity to further discuss my experience and background as it related to your needs for the Bioinformatics Intern position at Genentech. Thanks for the opportunity to apply for this position.

Sincerely,

Brian J. Wiley

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<https://github.com/BJWiley233>(See “Practical-Computer-Concepts-Files” and “Biotechnology- Notebook” repositories for coding and wet lab experience respectively)