Maedbh King

· PH.D. CANDIDATE ·

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Company Recruitment Team   *October 19, 2021*

JOHNSON & JOHNSON
ONE JOHNSON JOHNSON PLAZA
NEW BRUNSWICK, NEW JERSEY 08933

Internship Application for Research and Development

To whom it may concern,

About Me

I'm currently a PhD candidate in cognitive neuroscience at UC Berkeley. I design large-scale neuroimaging studies and use machine learning to map the connectivity between the cerebral cortex and the cerebellum ("little brain"). The holy grail of cognitive neuroscience is to understand what the cerebellum is doing in cognition. My research attempts to answer this question, and the more I learn, the more I am fascinated by this mysterious yet widely misunderstood brain structure.

Why Johnson & Johnson?

Johnson & Johnson is at the vanguard of promoting health and well-being across the world. As the leading global healthcare company, Johnson & Johnson is community- and person-centered, using their reach for good. Among the many accomplishments of the company is the vaccine that was developed in the past 18 months to combat COVID-19 (of which I was a recipient). The prospect of working at the edge of knowledge and human advancement, in a company where employees are required to think creatively and critically, is simultaneously thrilling and humbling.

Why Me?

My experience in conducting scientific research has ignited a passion for discovery that extends beyond the confines of academia. My entire academic career has been spent using machine learning to understand the cerebellum, the "underdog" of the brain, and through my work, I have managed to convince many people of its importance. I focus on difficult questions, not because they are popular, but because they are important. What draws me to Johnson & Johnson is the desire to push boundaries and to use data and algorithms to take risks and to think big.

I want to design solutions that empower ordinary people, whether it's revolutionizing telehealth, promoting equitable and accessible healthcare, or using AI to predict the onset of Alzheimer's disease. The capacity that data-driven innovation has to advance human well-being is enormous, but I also know that there is great power in the questions we ask, the challenges we set, and our motivation to solve them.

Sincerely,

Maedbh King