



Company Recruitment Team

October 5, 2021

APPLE INC.
ONE APPLE PARK WAY
CUPERTINO, CA 95014

Internship Application for ML/AI Scientist

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 Apple?

Apple pushes past the edge of knowledge by continuously breaking boundaries, and setting its sights on challenges that seem impossible until they become a reality. The prospect of working in an environment 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. I developed a first-of-its kind functional parcellation of the human cerebellum that is now widely used in the neuroscience community. I am also invested in progressing science through open-source work, and I am a core developer of SUITPy: a popular open-source Python package for analyzing and visualizing cerebellar data.

I will continue to push boundaries and focus on difficult questions, not because they are popular, but because they are important. I want to build solutions that empower ordinary people, whether it's alleviating symptoms of Parkinson's through VR or using technology to improve how we communicate. The capacity that machine learning has to advance human health, social connection, and 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