Kaiji Fu kaiji@unc.edu | (252) 267-0412 | Github/LinkedIn: kaijif | US Citizen

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Hiring Manager National Renewable Energy Laboratory (NREL) 15013 Denver West Parkway Golden, CO 80401

Dear Hiring Manager,

I am excited to apply for the Undergraduate/Graduate On-site Private Cloud Summer Internship at the National Renewable Energy Laboratory (NREL). I am eager to leverage my technical skills in Python, Linux, data analytics, and cloud computing to support the Advanced Computing Operations (ACO) group in its mission to advance renewable energy research.

My experience in high-performance computing and data analytics aligns well with the responsibilities of this role. As a researcher at the UNC School of Medicine, I developed a data preprocessing pipeline and trained deep learning models in a Linux-based SLURM environment—experience that has honed my ability to work with complex datasets and optimize computational workflows. Additionally, my contributions to Mozilla's bugbug project have strengthened my expertise in scripting (Python, Bash), version control (Git/GitHub), and collaborative software development.

Beyond my technical background, I am highly motivated to contribute to NREL's sustainability-driven mission. My work with Nolyn, a startup I co-founded, demonstrates my ability to build scalable cloud-based solutions, integrate IoT technology, and optimize resource utilization—skills that directly translate to the internship's focus on analyzing virtual private cloud usage patterns.

I am particularly excited about the opportunity to collaborate with NREL's experts in HPC and data analytics to create meaningful reporting solutions that enhance resource efficiency. I welcome the chance to discuss how my background can contribute to the team's objectives. Thank you for your time and consideration.

Best regards,

Kaiji Fu