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**To**  
*Hiring Committee,  
Center for Computational Research  
University at Buffalo  
Buffalo, NY*

April 21, 2025

Dear Hiring Committee,

I am writing to express my interest in the Undergraduate Computer Programming Summer Internship at UB's Center for Computational Research. As a Master's student in Computer Science and Engineering at UB and a passionate full-stack developer with real-world experience, I am excited about the opportunity to contribute to CCR's research-driven software initiatives.

During my time at Colgate-Palmolive as a Software Engineer, I contributed to the development of high-impact software systems, working with technologies such as React.js, Django, Kubernetes, RabbitMQ, and Docker. These experiences honed my skills in scalable architecture, API development, and distributed systems—skills I believe align closely with CCR's mission. My past projects, including a Redis-inspired in-memory database built in Go and a real-time stock market prediction model using LSTM and sentiment analysis, demonstrate my drive to solve complex problems and build reliable systems.

The opportunity to work on projects involving computational science, machine learning, and UI/database development resonates deeply with both my academic background and personal interests. I'm particularly drawn to CCR's mentorship-driven environment, and I would be thrilled to apply my skills in a research setting while learning from experts in the field.

Thank you for considering my application. I've attached my resume for your review, and I would welcome the opportunity to discuss how I can contribute to your team this summer.

Sincerely,

**Pratik Fandade**