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Dear Dr. Shantanu,

My name is Moises Zuniga, and I am a Computer Science student at the New Jersey Institute of Technology with a 3.5 GPA. I am writing to express my strong interest in the Cryptographically Secure Cloud-based Task Processing research opportunity. While my background is in IT and software development, I've spent the last year becoming obsessed with how we can build systems that remain secure even when the environment around them isn't trusted.

I've spent a lot of my personal time moving past theory and into hands-on security projects. For example, I built a full-stack password manager from scratch that uses a 3-layer MFA system and bcrypt hashing to significantly cut down on exploit risks. I also architected a machine learning pipeline to analyze over 250,000 traffic logs, which taught me a lot about maintaining data integrity while hunting for malicious patterns. These experiences have given me a solid grasp of Java, C, and SQL, and I'm very comfortable using Git to manage my code.

What really excites me about this specific research is the chance to work with Intel SGX and multi-party computation. In my previous role as an IT Assistant for the Civil Engineering department, I managed hardware and network connectivity for dozens of users, so I understand the physical and networking challenges that come with cluster computing. I'm eager to apply that "under-the-hood" knowledge to the more advanced cryptographic techniques your team is exploring. Thank you for considering my application; I'd love the chance to discuss how I can help contribute to the lab's goals.

Sincerely,
Moises Zuniga