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Dear Members of the Search Committee:

I am writing to apply for the Assistant Professor position for September 2023. I am currently a doctoral candidate at Cornell University, and expect to complete my PhD degree requirements by May 2023. I am inspired by the interdisciplinary and diverse culture of the department and look towards contributing to security and privacy research.

My research and industry experience have prepared me to be an effective researcher and instructor in your department. During my PhD, I was co-advised by Professors Vitaly Shmatikov and Deborah Estrin. I looked at new systems and methods for machine learning and identified novel attack surfaces in federated learning and discovered side-effects of using differentially private model training. As a faculty, I plan to continue my work on studying challenges in emerging AI-based applications and developing robust defenses that can be deployed with limited resources.

During my graduate studies, I served as a teaching assistant and gave guest lectures at privacy and security and distributed systems and networking classes. I found that my extensive education and professional experience as a software engineer provided me with a broad view to assist students with projects and assignments. I look forward to mentoring students, teaching existing courses, and developing new ones.

I am deeply committed to diversity and inclusion initiatives and will support them through research, mentorship, and teaching activities. I have directly experienced how individuals from a diverse set of backgrounds can significantly contribute and lead changes in our field and bring new values. I look forward to work with department colleagues to open our research community to broader representation.

I would enjoy discussing this position with you in the weeks to come. My application materials are enclosed. If you require any additional materials or information, I am happy to supply it. Thank you very much for your consideration.

I look forward to hearing from you.

Eugene Bagdasaryan