Chen-wei (Milton) Lin
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October 31, 2024

Eric and Wendy Schmidt AI in Science Postdoctoral Fellowship
The University of Chicago
Chicago, IL 60637
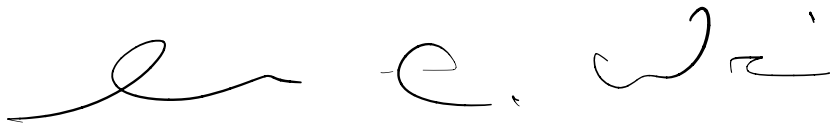
Dear Members of the Appointment Committee,

I am Chen-wei (Milton) Lin, a Ph.D. candidate in pure mathematics at Johns Hopkins University, focusing on arithmetic geometry, geometric Langlands, homotopy theory, and the foundations of machine learning. Under the supervision of Professor David Gepner, I expect to complete my degree in May 2025. I am applying for the Eric and Wendy Schmidt AI Fellowship to bring my mathematical expertise into foundational AI research, working interdisciplinarily to advance both fields.

I am eager to engage with the University of Chicago's AI and mathematics communities and collaborate with Professor Lek-Heng Lim as my potential mentor. I have also included a brief, confidential sponsorship letter from Professor Lim as part of this application.

My curriculum vitae, research statement, teaching statement, and list of publications are enclosed with this application. I have also arranged for letters of recommendation from two pure mathematics Professors David Gepner and Yiannis Sakellaridis, and one computer science professor Daniel Khashabi.

Please let me know if there is anything further I can provide. Thank you for your consideration.

Sincerely,

Chen-wei (Milton) Lin