Cover Letter - Mert Hidayetoglu

December 1, 2023

Dear members of the faculty search committee,

I am writing to you to apply for the assistant professor position at your department. As I am currently pursuing computer science research as a postdoctoral scholar at Stanford University, my intention is to form a research group that focuses on various aspects of parallel computing, programming models, and large-scale applications.

Since my graduation from University of Illinois in July 2022 with a PhD in electrical and computer engineering, I have been interested in high-performance communications to enable the solution of large-scale computational problems using supercomputers. Please find my research statement for details.

My intention in applying to your department is to form collaborations with the faculty. An exciting existing collaboration that I have formed is solving large-scale 3D ptychography problems using supercomputers. I collaborate with X-ray imaging experts to understand summarizing and generalizing the operations in inverse problems so that we can develop language for easily developing complex inverse solvers, and eventually, running those programs on the data to reconstruct 3D images very fast.

I believe I can write grant applications and work with students for excellence in high-end research and teaching. I believe I find ways to funnel each student's interests into the general theme of my research. Attached please find the teaching and diversity statement for elaboration.

Another information that might be of interest to you is the fact that I will relocate with my spouse Rebecca Hodel 5 mo daughter Maya, and would appreciate it if you could discuss employment opportunities for spouses.

Please do not hesitate to send your inquiries directly to me or one of my reference letter providers:

- Alex Aiken, postdoctoral advisor.
- Wen-mei Hwu, doctoral advisor.
- William Gropp, collaborator.
- Weng Chew, co-advisor (early doctoral).

Yours sincerely,

https://merthidayetoglu.github.io/