

Dear Prof. Ana, Prof. Curtis, and Prof. Shehadeh,

I'm interested in the hospital call scheduling tool project.

I was in the Outreach ISE program in the last fall semester, with Professor Shehadeh and Professor Ana as our advisors, working on a project aiming to visualize healthcare equity in PA using ArcGIS Pro. That was the first time I touched the ground of the healthcare system. After then, in ISE305, our final project is to simulate a hospital operating room considering both the outpatients and the inpatients. These two prior experiences set me a basic mindset of the healthcare system, and also motivated me to explore more in this field.

This summer, I was in a research group with students from the finance department, our goal was to create an optimization model which could replicate the DOW30 index taking into account the individual's risk tolerance. Despite I haven't taken any finance or investment courses, I was able to self-learn and cooperate with other teammates. As the only person not from business school, I was also the only one in our group to present our project in person to the judges and peers in the final mountaintop research exposition. (My teammates were all remote)

Though I'm not experienced in scheduling specifically, I had classes and experience in both optimization and coding. As an added plus, my research experience in the summer gives me the confidence that I could catch up with the team as soon as possible.

I look forward to discussing my candidacy with you. Please let me know if any additional information will help move my application forward. Thank you for your time and consideration.

Sincerely,  
Chang Wang