

Reference letters for the NSF GRFP are due **October 27, 2023 (Friday) 5:00 p.m. EASTERN TIME**
I will email you a list of schools that I'm applying to when we get closer to the deadline in December.

Some of the things I did while working with you as an undergraduate researcher.

- Cases/webpages that I've worked on and made visualizations for
 - 2021 Magnetars:
http://research.physics.illinois.edu/CTA/movies/SNS_2021/index.html
 - 2022 Purely hydro BHdisks:
http://research.physics.illinois.edu/CTA/movies/BHDisk_2022/index.html
 - 2023 X-shaped BHBH:
http://research.physics.illinois.edu/CTA/movies/BBH_Disk_2023/index.html
 - In progress: Magnetized BHdisks, High mass BHdisks, supermassive NSNS
- [Fall 2021] Created software that measured the proper circumference of black holes and the inner edge of the accretion disk to check that coordinate shrinking was a gauge effect.
- [Spring 2022] Updated velocity arrow software to generalize to the tilted BHdisk cases.
- [Spring 2022] Updated software that places magnetic field grid points around black holes to generalize to tilted black holes for the X-shaped BHBH project (for tracking a kink in the magnetic field).
- [Spring 2023] Applied for and received UIUC Research Support Grant for summer.
- [Fall 2022 - Summer 2023] Updated gravitational wave processing and visualization software. Issues we had with the gravitational wave visualizations for the black hole disk cases not making sense were resolved. Created the contour plot visualization software. Results are here:
http://research.physics.illinois.edu/CTA/movies/BHDisk_2022/Gravitational_Waveforms.html