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Collaborators (not full list): Zoltan Haiman, Maria Charisi, David Schiminovich, Chiara Mingeralli, Brian Metzger, Mathieu Renzo

About me

I'm from Qingdao, China. I'm currently a graduate student in the Department of Astronomy at Columbia University in 2020, living in New York City, USA. I have been doing research in astrophysics since the summer of 2018. I have been involved in gravitational wave related projects since the fall of 2019, and have never stopped since then. The main programming tool I use is Python, while I'm familiar with using various open source simulation programs, such as *Hasasia* and MESA, and operating HPC (Habanero).

Research topics

High energy astrophysics, gravitational waves and computational stellar physics

My work

I'm broadly interested in both observational and theoretical astrophysics. My research has been focusing on the observation of supermassive black hole binary candidates as quasars with multi-wavelength surveys, such as *Swift*, *CRTS*, *GALEX* and LSST. I'm also interested in their gravitational wave detection aspects in *PTA* and *LISA*. Recently, I have shifted my focus to theoretical stellar physics on massive stars. For this I'm using a computational stellar modeling tool, MESA.

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