

Stanford

Tara Yasmin Mina

Postdoctoral Scholar, Aeronautics and Astronautics

Bio

BIO

Tara Mina obtains her Ph.D. in Electrical Engineering at Stanford University. She received her Master of Science in Electrical and Computer Engineering from the University of Illinois at Urbana- Champaign in 2019 and her Bachelor of Science in Electrical Engineering from Iowa State University in 2017, with summa cum laude honors. For her doctoral thesis, Tara researches strategies to advance the next-generation Global Positioning System (GPS) signal capabilities. Her research focuses on secure, attack-resilient position, navigation, and timing as well as designing new spreading codes for the future GPS signals. She has also been involved with research for designing satellite-based navigation and timing to enable future lunar exploration missions.

As of August 2023, Tara has 22 research publications, including 7 published or accepted journal papers, and a coverage magazine article. She has also won several awards for her graduate research, including the National Science Foundation (NSF) Graduate Research Fellowship, the National Defense Science and Engineering Graduate (NDSEG) Fellowship, the Amelia Earhart Fellowship, and 4 Best Presentation of the Session awards. Outside of her research work, Tara has won 2 student teaching awards, including the Centennial Teaching Assistant Award and the AIAA Best Course Assistant Award. She also currently serves as the co-president of Stanford's Engineering Students for Diversity, Equity, and Inclusion (DEI), and has also won the Community Impact Award for her leadership, outreach, and volunteering efforts within the student group.

For the most up-to-date information, research work, and publications, please check out Tara's personal website: <https://sites.google.com/view/tara-mina>

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- Grace Gao, Postdoctoral Faculty Sponsor

LINKS

- Personal Website: <https://sites.google.com/view/tara-mina>
- LinkedIn: <https://www.linkedin.com/in/tara-mina-a2040b9a/>