

Hitaishi Chillara

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Autobiography:

Hi! I'm Hitaishi Chillara, and as of 2026, a student at the Texas Academy of Mathematics & Science. I became interested in machine learning from a robot dog toy I used to have as a kid, where I was intrigued by how it stood upright. It got me into robot learning and its underlying physics, and currently I work on robotics systems, where I write Rust firmware and Python machine-learning infrastructure for autonomous robots. I also do astrophysics research, even using machine learning for various physical aspects of astronomy.

A paper I wrote on machine learning for supermassive black hole research was selected for the American Astronomical Society (AAS) 248 conference, where I got to present it, bringing AI and astrophysics, my two biggest interests, side by side in a single piece of work. This past year I also earned a silver medal at the USA Physics Olympiad (USAPhO) and reached the finalist round of the International Astronomy and Astrophysics Competition (IAAC).

Outside of AI, I enjoy physics competitions, hardware and electronics projects, and amateur radio. I'm honored and excited to represent the United States at the IAIO. Thank you for the opportunity!