





About Me

- PhD in Experimental Neutrino Physics
- Member of the **ANNIE** (The Accelerator Neutron Neutron Interaction Experiment) Collaboration at **Fermilab**
 - ANNIE is a 26-ton water-based neutrino detector in the Booster Neutrino Beam (BNB), studying neutrino-nucleus interactions
- Studying **Neutrino Interactions**, with a focus on neutron detection and charge distributions in neutrino events.

Why I'm Here

• Understanding Detector Technologies

- Learning more about hardware aspects relevant to neutrino experiments.
- For Instance, there are PMTs and LAPPDs in the ANNIE tank to detect light signals.
- Hands-on Experience
 - Gaining exposure to data acquisition, electronics, and sensor systems.

• Broadening My Perspective

• Understanding how hardware innovations shape neutrino physics experiments and improve detection techniques.

Thank You