UNDERGRADUATE

RESEARCH & LAB JOB FAIR

HOSTED BY ECE

Project student will be supporting:

Optics, Lasers and Imaging

Sponsor:

Michelle Sander

Hours per week

Spring 2025: 6+ hours; Summer 2025: 15+ hours; Fall 2025: 6+ hours

Paid?

Option to apply for funding (e.g. UROP)

Job description

"Interested in working in an optics lab, learning about how lasers work and how they can enable new applications in imaging? The Ultrafast Optics Lab is looking for motivated, enthusiastic undergraduate students (all years welcome with some basic physics knowledge). You will work on optical alignment of laser systems, measure ultrashort pulses faster than electronics can capture and understand what happens when they interact with different materials. Projects are aimed at developing fiber lasers, biomedical imaging and material characterization."

Qualifications:

Basic physics background, some knowledge on optics or the motivation to learn.