FACULTY MENTOR
Yuhwa Lo

PROJECT TITLE
Semiconductor Photodetectors for LiDAR and AR/VR

PROJECT DESCRIPTION
Description: Will be involved in device design, fabrication, and characterization of single photon detectors for LiDAR systems to support autonomous driving and robotic vision and AR/VR applications.

This project can accommodate both remote and in-person students.

INTERNS NEEDED
2 Students

PREREQUISITES
1. ECE230A or knowledge in semiconductor device physics
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**PROJECT TITLE**
Biophotonic Machine Learning System for Biomedicine

**PROJECT DESCRIPTION**
Description: Will develop optical detection systems with AI capabilities to support biomedical applications including viral detection, drug discovery, cell analyses.

This project can accommodate both remote and in-person students.

**INTERNS NEEDED**
2 Students

**PREREQUISITES**
1. Some optics background (e.g. ECE240 series)