FACULTY MENTOR
Cheolhong An

PROJECT TITLE
High-Speed Camera System

PROJECT DESCRIPTION
This project aims to develop a high-speed camera system. This project designs a camera system to capture more than 30,000 fps.
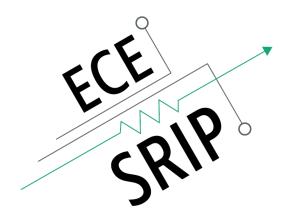
This project can accommodate both remote and in-person students.

INTERNS NEEDED
2 Students

PREREQUISITES
- PCB design, FPGA

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PROJECT TITLE

Multiview Reconstruction for High-Speed Camera

PROJECT DESCRIPTION

This project aims to develop (real-time) algorithm to reconstruct a 3D view from multi-view video sequences. Especially, this project targets high-speed cameras (currently 1000 fps) up to 8 views (8 x 1000 fps) to build 3D views.

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

INTERNS NEEDED

1-2 Students

PREREQUISITES

- Deep learning (Pytorch)