FACULTY MENTOR
Drew Hall

PROJECT TITLE
IC Block Level Design

PROJECT DESCRIPTION
Description: Students will design a variety of common blocks for integrated circuits (OpAmps, OTAs, Bandgaps, SPI interface, ADCs, etc.) in 180 or 65 nm CMOS.

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

INTERNS NEEDED
2 Students

PREREQUISITES
1. ECE 264A
2. ECE 264B
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**PROJECT TITLE**
Padring Synthesis Script

**PROJECT DESCRIPTION**
Description: Students will design Verilog/TCL/Python/etc scripts to construct a padring with appropriate ESD from a tabular input format.

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

**INTERNS NEEDED**
1 Student

**PREREQUISITES**
1. ECE 264A
2. ECE 260
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**PROJECT TITLE**
Machine-Learning for Biomarker Identification

**PROJECT DESCRIPTION**
Description: Students will implement machine learning models to classify compounds based on measured electrochemical signals.

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

**INTERNS NEEDED**
1 Student

**PREREQUISITES**
1. ECE 175A, B or
2. ECE 228