

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING
COLLEGE OF ENGINEERING AND APPLIED SCIENCE

SUMMER RESEARCH OPPORTUNITIES FOR UNDERGRADUATE students

FOR APPLICATION YEAR: 2024

PROJECT TITLE: High Density Memory Devices for Bio-Inspired Computing

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Project Description

There is an increasing demand for storing more and more data. However, conventional memory devices, such as NAND Flash, DRAM, SRAMs are unable to meet these requirements as well as requirements for new computing applications such as Machine Learning. This project will allow students to learn about various types of conventional and emerging memory devices. Additionally, students will perform research on making use of DNAs for storing data and interfacing them with Integrated Circuits.