

# REACT:

## Introductory Research Experience in Autonomy and Control

Creating aviation systems  
of the future with safe, trustworthy  
machine learning in the loop



**August 7-18  
2023**

***Applications***

Open: March 1st, 2023  
Deadline: March 20th, 2023



**COMPETITIVE STIPEND**

**HOUSING AND MEAL PLAN**

**TRAVEL ALLOWANCE**

## Program Description

### WHAT

Intense undergraduate research experience to encourage students to consider careers in autonomous systems  
Showcase interesting problems in aviation autonomy and machine learning  
Describe pathways via grad school or industry to work in autonomous systems  
Opportunity to contribute to research with leading faculty in autonomous systems at Stanford

### WHO

UNM sophomores, juniors and seniors interested in autonomy-related fields  
Underrepresented students are particularly encouraged to apply

### WHERE

Students will conduct research in pairs at Stanford University

### WHY

Develop basic research skills  
Obtain exposure to state-of-the art research and engineering facilities  
Acquire preparation for graduate school  
Learn about professional and research opportunities in autonomous systems, machine learning, and aviation systems

## PROJECTS

**Neural net verification for visual perception and control**

**Machine learning and control in robotics**

### FIELDS of STUDY

Computer Science  
Mathematics  
Statistics  
Electrical Engineering  
Mechanical Engineering  
Aerospace Engineering  
Computer Engineering

**For more information and to apply:**

website: [React.unm.edu](http://React.unm.edu)  
email: [react@unm.edu](mailto:react@unm.edu)



**Apply here**