



# RIPS - Los Angeles

Research in Industrial Projects for Students

**JUNE 21-AUGUST 20, 2021**

## Overview

The Research in Industrial Projects for Students (RIPS) - Los Angeles program provides an opportunity for talented undergraduates studying math, computer science, and related disciplines to work in teams on real-world research projects proposed by sponsors from industry or the public sector. The student team, with support from their academic mentor and industry mentor, will research the problem and present their results, both orally and in writing, at the end of the program.

The RIPS program is nine weeks, and we expect to have nine projects.

## Projects

RIPS projects involve serious math and computing. Past projects have involved space mission design, crime modeling, machine learning, weather forecasting, digital image blending, quantum computing, finance, and more!

## Sponsors

Industry sponsors have included: The Aerospace Corporation, Air Force Research Laboratory, Alibaba, Amazon, AMD, Aquatic, Google, GumGum, HRL, and Lawrence Livermore National Lab. Details about the 2021 RIPS sponsors will be announced at a later time.

## Benefits

Round-trip travel to Los Angeles and accommodations at UCLA are included. Students will also receive a meal allowance and a generous stipend.

## Application

RIPS students come from many different academic fields, but all share a strong background and interest in mathematics. Undergraduate students, including current seniors and international students, are eligible to apply. You must be at least 18 years of age to participate in the program. Competition is high for the limited slots available. The application is open now. The deadline to apply is **February 12, 2021**.



**UCLA**



For more information, visit the program webpage:  
**[www.ipam.ucla.edu/rips](http://www.ipam.ucla.edu/rips)**