



STARS@SLU 2025

# Session on Summer Opportunities

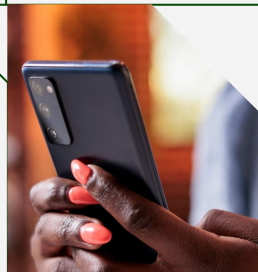
# Summer Camps and Programs

# How it works



## What to expect?

- Workshops
- Hands-on experiments
- Lecture series
- Guest speakers



## How to apply?

Selection typically based on essays and/or teacher recommendations

## Does it cost?

Many of the STEM summer programs are FREE, but highly competitive!

Have huge impact on your college applications!

# Local

Here is the list of some summer opportunities at local institutions:

- [STEM Pre-College Programs](#) - Saint Louis University
- [Summer Programs](#) - Washington University in Saint Louis
- [Bridge Programs](#) - University of Missouri - St. Louis

# National

- [Canada/USA MathCamp](#) – Typically hosted at a college campus in the States for high school students
- [MITES Summer](#) – Hosted by MIT for high school Juniors from underrepresented backgrounds
- [SAMS](#) – Hosted by Carnegie Mellon University for high school students from underrepresented backgrounds
- [STREAM](#) – Various Location for middle high school girls of color
- [PROMYS](#) – Hosted by Boston University for High school students focusing on Number Theory and problem solving

# Research & Internship Programs

# National

- [MathLy-EST](#) - Summer research program hosted by Bryn Mawr College
- [Jackson Laboratory Summer Student Program](#) - Hosted by Jackson Laboratory for high school senior and undergrads focusing on biomedical research
- [Summer Research Experience and Mentoring Program \(REM\)](#) - Hosted by Northwestern University offering engineering research projects for high school, 2-year, and 4-year degree program students
- [Simons Summer Research Program](#) - Hosted by Stony Brook University offering hands on research in science, math or engineering for high school juniors
- [Research Science Institute \(RSI\)](#) - Hosted by MIT offering science and technology research projects for high school juniors.
- [Center for Talented Youth](#) - Hosted by John Hopkins University

# REU

REU (Research Experiences for Undergraduates) is a summer program designed to engage undergraduates in mathematical research projects. These projects involve students in meaningful ways in ongoing research programs or in research projects specifically designed for the REU program. Contacting directly faculty to work on a research project is also another way to get a summer experience in research.

- [NSF REU SITES](#)



# Meet the panelist

## Elsa Mulat

Recent SLU Graduate  
Majoring in Public  
Health



### **Summer Experience**

ASSURE at WashU,  
conducted research in the  
SICU on central lines.  
Chronic Pain Lab at  
WashU as a Clinical  
Research Coordinator

## Sasha Trejo-Arciles

Senior  
Majoring in Computer  
Science & Mathematics



### **Summer Experience**

Undergraduate  
Research experience at  
Duke University  
modeling mRNA  
movement and  
localization in neuronal  
cells

## Taslima Aktar

Senior  
Majoring in Computer  
Science



### **Summer Experience**

S2S Intern at Accenture  
for Medical Management  
Team  
  
Tech Trainee at Npower  
STL Fundamental Tech  
Program