

# Project Management for Students

A professional development workshop

Monday 2021-06-21, Tuesday 2021-06-22

*The Institute for Computing in Research  
The Computer Science Alliance*

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```
def calculate_path_length(city_list):  
    """Calculates the full length of a path through a list of cities,  
    including the return home from the last city on the list."""  
    total_length = 0  
    for i in range(len(city_list)-1):    ## iterate up to the second-last city  
        c1 = city_list[i]  
        c2 = city_list[i+1]  
        length = distance(c1, c2)
```

The Institute for Computing in Research and the Computer Science Alliance will host a professional development workshop, aimed at CTE teachers in Santa Fe as well as students involved in long research projects. This online course will be taught by:

**Rhonda Crespo** Director of the Institute for Computing in Research.

**Mark Galassi** Astrophysicist at Los Alamos National Laboratory.

**Rowan Jansens, Madelyn Kingston, Mohit Dubey** New Mexico School for the Arts, winners of the Supercomputing Challenge.

Our goal is to create a culture of students managing projects, and to give guidelines and formats for teachers to help foster these self-organized teams.

This course is recommended for students involved in any long-term effort, such as theater production, art installations, software development, engineering projects, business ventures, ... *and for their teachers.*

This workshop is free for teachers and students, but space is limited, so please sign up by email soon! Individual make-up is possible if you have to miss some of the time slots.

**Session 1** Monday 2021-06-21 — 3pm-5:30pm:

**15:00** Opportunities for student research in New Mexico.

**15:45** discussion

**16:00** “Long lead” versus “short lead” aspects of a project: crafting a “bill of materials” for your project.

**Session 2** Tuesday 2021-06-22 — 3pm-5:30pm:

**15:00** Panel discussion with the dream team from the Supercomputing Challenge.

**16:00** Understanding both the good and the buzzwords in Agile project management.

**16:30** discussion

**16:45** Software as the highest complexity driver of schedule.