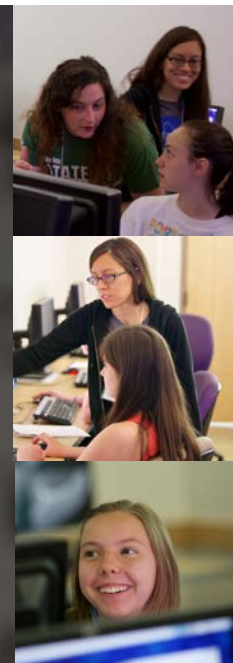


<http://swift.cs.colostate.edu>

SWiFT

2017 SUMMER STEM CAMP FOR WOMEN IN FORT COLLINS

Computer Science Department
Colorado State University
National Science Foundation



WHO?

Female high school students who are rising 11th graders and are interested in exploring STEM (Science/Technology/Engineering/Math) majors and careers



WHEN and WHERE?

June 5 ~ June 9, 2016

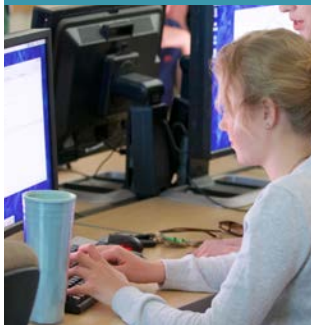
Sessions: 9:00AM ~ 3:00PM

Optional lab sessions:

8:00 ~ 9:00AM and

3:00 ~ 4:00PM

Where: Lab215 in the
Computer Science Building
at CSU



WHY?

Introduce students to college level Computer Science topics using math concepts taught in high school
Provide hands-on experience to demonstrate how mathematical concepts that students learn in school are applied to solve real-world problems using data science
Increase awareness and interest in Computer Science careers
Facilitate effective transitions from high school math and science classes to STEM majors in college

CLASS SCHEDULE

Session 1. Getting started with Python
Session 2. Accessing data in files
Session 3. Understanding data structures
Session 4. Basic data analysis algorithms
Session 5. Accessing Real-time Twitter message stream using programs
Session 6. Writing programs to make inferences from Twitter message streams
Session 7. Team project



HOW?

Contact Maya Wylie at Rocky Mountain High School (mayaw@psdschools.org)

No registration fee, no tuition required



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