



Employment Application

SI@UCF—Computer Science is an academic summer camp offered through the College of Engineering and Computer Science which runs **Weekdays, 8 am—5 pm from June 9th—27th, 2025**. About 30 talented and gifted high school students come to UCF to learn computer programming and concepts of Computer Science. We are looking for Teaching and Lab Assistants to assist during the Institute. Expect a minimum commitment of **30 hours per week** during the three weeks of camp for a guaranteed \$1000. An additional \$200 will be given pre-camp for your attendance at required trainings and meetings and for your time spent in course prep.

If you have any further questions about the program itself or these positions, please contact Mr. Arup Guha at (321) 663-7749 or see him in HEC 240. Any questions regarding the application process or selection can be directed to the Center for Initiatives in STEM at (407) 823-6230 or stem@ucf.edu. Applications are due by **February 19th, 2025** no later than **5pm** to stem@ucf.edu. Formal interviews will take place the following week or two. **Receipt of an application does not guarantee an interview.**

Qualifications:

Preferred applicants are UCF students with a solid background in computer science. Experience teaching either in an official role at UCF or at summer camp will also be helpful. Applicants must be in good standing at the University of Central Florida and be able to pass a Florida Department of Children and Families Level II background screening.

Programming Class Teaching Assistants

The teaching assistant for each course will facilitate recitation sections every morning during the camp, be responsible for grading students' homework submissions and helping in the afternoon lab. The teaching assistant must know all of the course material for their designated course, before the beginning of the camp.

- **Beginner Programming and Game Design (Python and pyGame)**
For students with little or no prior programming experience and who have not yet completed Algebra II. Students will first learn the basics - data types, variables, arithmetic and Boolean expressions, control structures, etc.
- **Introduction to Programming and Game Design (Python and pyGame)**
A step up from the Beginner course for students who have completed Algebra II. Students will be introduced to variables, arithmetic expressions, if statements, loops, lists in standard Python as well as game loops, game development concepts, drawing images, simulating movement of objects and object collision in pyGame.
- **Introduction to Competitive Programming**
The TA for this course should be familiar with C++. Familiarity with the website kattis.com to solve programming competition problems is preferred.

2. Lab Assistants

Lab assistants minimally need to be available every afternoon during the camp from 1 – 5 pm and need to have enough familiarity with all three classes to help students work on their assignment for each class.

Common Duties for all Teaching Assistants and Lab Assistants

All teaching and lab assistants will be responsible for various tasks to ensure the smooth running of the camp including: monitoring students in the morning when they arrive, going on field trips, helping run evening activities, taking attendance and helping with logistical issues as they arise during the camp. *Note: You may be hired for a different role than the one you apply for if it's determined that you are the best for that role. Adjustments may be made to responsibilities based on the timing of outside responsibilities of the TAs hired. Every effort will be made to keep the total amount of work for each teaching assistant as equal as possible while adjusting for each individual TAs class schedules.*

Required Trainings/Meetings:

Pre-Camp Meeting with Sponsor: week of March 24th
Instructor/TA meetings: Ongoing Spring Semester Camp Staff
Training: April 22 in the morning (exact time TBD)



Please print and complete the following questions with the appropriate response.

Full Name (First, Last): _____ UCFID # (7 Digits): _____

Local Address: _____

City: _____ State: _____ Zip Code: _____

T-shirt size Small Medium Large X-Large XX-Large

Cell Phone: _____ Alternate Phone: _____

UCF E-mail Address: _____

(Email will be the primary method of communication for pre-camp information)

Please indicate your academic standing as of the end of the current semester:

Yr. 1 Yr. 2 Yr. 3 Yr. 4 Yr. 5+ Graduate Student

What is your major(s)? _____

What is your minor(s)? _____

What is your cumulative UCF GPA? _____

What is your cumulative Major GPA? _____

Indicate which position you are applying for:

- Lab Assistant (must be available from 1-5pm each weekday)
- Beginning Python Teaching Assistant
- Intermediate Python Teaching Assistant
- Introduction to Competitive Programming Teaching Assistant

Have you been a TA before? Yes No

If so, which class(es) did you teach and where?

Do you have experience with the Python programming language? Yes No

Do you have experience with the C++ programming language? Yes No

If yes for either, what type of experience?

Have you had any formal training that would make you qualified for this position?

Please continue onto the next section.

Summer Institute @ UCF



Please print and complete the following questions with the appropriate response.

List any courses planned for Summer 2025 at UCF or elsewhere (with times, if available):

Course 1: _____

Course 2: _____

Additional Courses: _____

What are your other summer obligations, if any?

Are you, or have you ever been, employed at UCF in another office? Yes No

If so, in which office(s) and when?

List any scholastic honors:

List your extracurricular involvement:

Please complete the following questions and attach your typed responses,
one question per page.

1. What three characteristics do you possess that would qualify you for this position?
2. Name one concept you feel beginning computer science students have difficulty understanding. Give one idea of how you would explain that concept.

END OF APPLICATION

Please attach a current resume and to this application and
return both to:
stem@ucf.edu
By February 19th by 5pm