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 8th—26th, 2020**. 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 in MSB 230. Applications are due by **February 21, 2020** no later than **5pm** in MSB 230 with formal interviews taking place the following week. **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.

**1. Programming Class Teaching Assistants**
The teaching assistant for each course will facilitate 45 minute 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.

- **Introduction to Programming using Python and pyGame**
  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.

- **Object Oriented Programming and GUI Development in Java GUI**
  The teaching assistant for the course needs to be familiar with standard Object Oriented development in Java and Swing.

- **Android Development**
  The teaching assistant for the course needs to be familiar with polymorphism, a game loop, OpenGL, Open AL and Android.

**2. Lab Assistants**
Lab assistants minimally need to be available every afternoon during the camp from 2 – 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: March 17 or 18
- Instructor/TA meetings: Ongoing Spring Semester
- First Aid Training: April 28 from 10 am - 12 pm
Section I: Personal Information
Please print and complete the following questions with the appropriate response.

Name: ___________________________ UCF ID: __________
Local Address: ___________________________
City: __________ State: __________ Zip Code: __________
Home Phone: (____) __________ Cell Phone: (____) __________
T-shirt size  ❑ Small ❑ Medium ❑ Large ❑ X-Large ❑ XX-Large
Knights E-mail (used for all formal communication about the camp): ___________________________
Alternate E-mail Address (emergency use only): ___________________________
What is the best method to contact you?
❑ Home Number ❑ Cell Number ❑ Knights E-mail
Indicate which position you are applying for:
❑ Lab Assistant ❑ Python/pyGame Teaching Assistant
❑ Java GUI Teaching Assistant ❑ Android Development 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 Java programming language? ❑ Yes ❑ No
Do you have experience with the Python programming language? ❑ Yes ❑ No
Do you have experience with Android Development? ❑ Yes ❑ No
If yes for either, what type of experience?
____________________________________________________
What are your other summer obligations?
____________________________________________________
Have you had any formal training that would make you qualified for this position?
____________________________________________________
____________________________________________________
____________________________________________________
Are you employed at UCF in another office? ❑ Yes ❑ No
If so, in which office do you work? ___________________________

Please continue onto the next section.
For Section III: Educational Background

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)?  ________________________________

Anticipated degree:  ________________________________

Scholastic honors:  ________________________________

List your extracurricular involvement:  ________________________________

What is your cumulative UCF GPA?  __________

What is your cumulative Major GPA?  __________

List any courses planned for Summer 2020 at UCF or elsewhere (with times, if available):

Course 1:  ________________________________

Course 2:  ________________________________

Additional Courses:  ________________________________

For Section IV: Essays

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 to this application and return both to:

MSB 230A (Front Desk)

By February 21, 2020 by 5pm