Employment Application

Thank you for your interest in applying for employment with the Summer Institute at UCF for this upcoming summer. The SI@UCF—Computer Science is an academic summer camp offered through the College of Engineering and Computer Science which runs from **June 10th—28th, 2019**. About 30 talented and gifted high school students come to UCF to learn computer programming and concepts of Computer Science. Below are descriptions of the positions that we have available. 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 22, 2019** no later than **5pm** in MSB 230 with formal interviews taking place a week or so after. ***Receipt of an application does not guarantee an interview.***

Qualifications:
Preferred applicants must be 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 45 minute recitation sections every morning during the camp, be responsible for grading students' homework submissions and helping in the afternoon lab every other day. 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.

Lab Assistants
Lab assistants 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 homework 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. These duties will be assigned based on each TA and LA's availability and every attempt will be made to give out these duties fairly to all involved.

Summer Institute @ UCF

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? _____

Section II: Care Provider Background Screening Clearinghouse
Background Screening Request Form

You have applied for a position with a health care and/or service provider regulated by a specified agency in the Care Provider Background Screening Clearinghouse (Clearinghouse) that requires a fingerprint-based background check. As a   health care and/or service provider regulated by a specified agency in the Clearinghouse we may conduct a search for an   existing background screening result or submit a new background screening request through the Clearinghouse results   website on your behalf.

In order to complete the search and/or background screening request we must collect the following information. This information is required by the Clearinghouse, the Florida Department of Law Enforcement, and the Federal Bureau of Investigation.

Please provide the following information:

Applicant Information

*First Name: _____

Middle Name: _____

*Last Name: _____

Aliases: **_____**

*SSN: **_____**

*Date of Birth: _____

*Place of Birth: _____

Demographics

*Sex: _____

*Race: _____

*Hair Color: _____

*Eye Color: _____

*Height: _____

*Weight: _____

Contact Information

*Address Line 1:
_____

Address Line 2:
_____

*City:
_____

*State: _____

*Zip:
_____

County:
_____

Prior States:
_____

Email:
_____

Phone: _____

*Denotes Required Fields

Please continue onto the next section.

Summer Institute @ UCF

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 2019 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 <u>resume</u> to this application and return both to:
MSB 230A (Front Desk)
By <u>February 22, 2019</u> by <u>5pm</u>