PENNSYLVANIA GOVERNOR'S SCHOOL FOR THE SCIENCES 2017

Application for position as TEACHING ASSISTANT/COUNSELOR

As the title implies, the position of <u>Teaching Assistant/Counselor</u> for PGSS has dual responsibility. The academic parts of the job (assisting with classroom, laboratory, homework and research activities) and the residential aspects of the job (social events, field trips, community-building) are of equal importance.

Teaching Assistant responsibilities include:

- Attending and helping with a core lecture course and a laboratory course in your area of expertise.
- Mentoring at least one team research project related to the subject area to which you are assigned.
- Attending special lectures and field trips related to your subject area.
- Attending and helping with at least one elective course.
- Arranging help sessions for homework.

Counselor responsibilities include:

PART I. General Information

- Providing for the health and safety of the students.
- · Serving as a role model, in regard to teamwork and community-building.
- Arranging social activities including dorm and field trips.
- Enforcing residence life dorm & curfew regulations.

Name			
Name of University/College Co	urrently Attending		
Your Address at College	City	State	Zip Code
Your Cell Phone No.	You	r Home Phone No.	
Your Home Address	City	State	Zip Code
Male Female Sex (Circle One)	Date of Birth	XXX-XX Social Security No	. (last 4 digits only)
Degree Program (Major)		Current QPA or GPA	
Last Year Completed (as of end of current academic year)		e-mail address	
Did you attend the Pennsylvar If yes, what year did you attend	nia Governor's School for the Sod PGSS?	ciences (PGSS)? Yes	No

PART II. References

Please ask <u>two</u> people to write letters of reference in support of your application, and have them send their letters, by the application deadline, directly to the address below (either by postal mail or email).

Deadline: March 31

Barry Luokkala, Ph.D., Director Pennsylvania Governor's School for the Sciences c/o Department of Physics Carnegie Mellon University Pittsburgh, PA 15213

Email: pgss@cmu.edu

Lab Emphasis:

1.	Please attach your curre application form.	ent resume or Curriculum Vitae and a current University transcript to this
2.	questions serve a dual p	lowing questions, either in the space provided, or on separate sheets. These urpose: They will provide you with some information about the program and a better understanding of your talents.
	A. Why do you want to b	pecome a PGSS Teaching Assistant/Counselor?
	please rank your pref	a(s) do you feel most qualified to assist? (If you mark more than one choice, rerences in numerical order, with 1 being your top choice. If you don't have a st check your areas of interest.)
	Lecture Emphasis:	Special & General Relativity Particle Physics Cosmology
	Lab Emphasis:	Various topics in experimental physics
	Chemistry Lecture Emphasis:	Organic Chemistry Molecular Structure Aromatic Hydrocarbons Examples of Reaction Mechanisms and Organic Synthesis
	Lab Emphasis:	Synthesis and Characterization of Transition Metal and Organic Compounds
	Biology Lecture Emphasis: Lab Emphasis:	Biochemistry of Viruses Biochemistry, Cellular & Molecular Biology
	Computer Science Lecture Emphasis:	Fundamentals of Algorithms and Computer Programming Abstraction, Recursion, Tree and Graph Algorithms, Algorithm Analysis (Will likely be using Java on PC platforms.)
	Lab Emphasis:	Java programming methods; applets
	Math Lecture Emphasis:	Discrete Mathematics (Combinatorics & Graph Theory)

(no lab course for math)

C.	<u>Teaching Assistant Qualifications</u> . For each of the subject areas that you checked, please explain your qualifications in relation to courses you have had and/or lab work that you have done.
D.	Counselor Qualifications. (See the list of Counselor Responsibilities at the top of Page 1.) Please
	explain any experience you have had in any of these areas and/or what you view as your primary focus in fulfilling these responsibilities.

 Homesickness. Lack of social skills or personality conflicts. Excessive noise or other inappropriate behavior. Academic insecurity or inability. Choose one of the above problems and explain how you would handle the situation.
All PGSS TA/Counselors will be expected to take up dormitory residency on the CMU campus on the morning of Wednesday, June 28, and will remain in residence until the morning of Sunday, August 6. Living quarters are in the same dormitory as the PGSS students.
PGSS TA/Counselors are not permitted to have other employment or to take courses while the PGSS program is in operation. (Carnegie Mellon students may take classes in Summer Session 1, but not in Summer Session 2.)
Stipend: \$2,500. Housing is included (in the PGSS dorm) as well as a food allowance.
Please keep a copy of this application for your records, since it includes dates of arrival and departure.
Return completed application to:
Barry Luokkala, Director Pennsylvania Governor's School for the Sciences c/o Department of Physics Carnegie Mellon University Pittsburgh, PA 15213 Email: pgss@cmu.edu

E. Occasionally a problem arises that is dealt with by a counselor. Some examples of these are:

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