Employer: The Maryland Institute for Minority Achievement and Urban Education (MIMAUE, the “Institute”) in the College of Education, University of Maryland

Positions: Two Summer Mathletics Assistant instructors (“assistant coach”) for underrepresented minority middle school students.

Description: The Maryland Institute for Minority Achievement and Urban Education in the College of Education is looking for highly motivated, energized, and knowledgeable undergraduate STEM majors to assist certified teachers as they teach mathematics to approximately 40 high-performing middle school girls and boys in Mathletics. Each undergraduate will assist one teacher and work with 20 students. This position requires that the undergraduate student is adept at engaging students through individual and group activities that are academically relevant for students.

When: Program will be offered July 2-July 20, 2018 and starts daily at 8:30am and ends at 4:30pm. Assistant instructor must be available for three training day sessions in mid-June and for program debrief during the last week in July 2018. Camp will not meet on Wednesday, July 4th.

Program goal: Through a unique mix of mathematics instruction, problem-solving activities, mathematics modeling and application activities, and athletics, the Mathletics camp teaches underrepresented minority students data analysis and exposes students to new and exciting above-grade level mathematics concepts. The camp curriculum will utilize numerous problem-based mathematics resources. While the morning sessions focus on learning mathematical concepts, the afternoons reinforce academic concepts through sports activities.

Responsibilities:

Academic responsibilities

- Work cooperatively with lead certified teacher to teach students data analysis
- Teach mathematical concepts in a way that leads students to a final end-of-camp project such as the following:
  - Modeling - choosing and using appropriate mathematics and statistics to analyze empirical situations, to understand them better, and to improve decisions
  - Building functions that models a relationship between two quantities; investigating patterns of association in bivariate data.
  - Constructing, comparing, and interpreting linear, quadratic, and exponential models
  - Understanding statistics as a process for making inferences about population
- Assist teacher in classroom of 20 students
- Work individually with students to ensure they are fully grasping material, as necessary
☐ Enforce rules and disciplinary action, as necessary  
☐ Assist/teach students with the goal of having all students be able to finish math problems individually upon completion of program

**Athletic and administrative responsibilities:**
☐ Actively engage students in organized sports (e.g., basketball, volleyball, flag football, kickball, etc.)
☐ Make brief presentation to student participants about various STEM careers, particularly those which require a strong background in mathematics

**Qualifications:**

☐ Earning bachelor’s degree in STEM-related major  
☐ English fluency  
☐ Passionate about working with minority youth  
☐ Ability to teach students in small groups and work with students individually in an engaging manner

**Salary:** $2,400 stipend

**Hiring Date Deadline:** Applications received through May 15, 2018. The selection process includes a face-to-face interview with UMD staff.

**Contact:** Submitted applications must include a current resume/CV, two professional references, including name, telephone number and e-mail address. Mail or email this information to the following:

Stephanie Timmons Brown, Ph.D.  
Executive Director  
University of Maryland, The Maryland Institute for Minority Achievement and Urban Education  
Seneca Building (off of Route 1)  
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