# STEM MENTOR

Virtual _or_ In-Person

## SPRING-SUMMER 2024

## WORK OPPORTUNITIES

### FOR UH STUDENTS

**APPLY HERE**
ITECHSTEM.ORG/MENTORS

**LOOKING FOR UH STUDENTS WITH CODING & STEM EXPERIENCE OR WILLING TO BE TRAINED…**

**PAID POSITIONS…**

**TEACH K-12 STUDENTS…**

## PAID MENTOR POSITIONS

**Are you interested in becoming a virtual or face-to-face mentor (camp counselor) this Spring and Summer?**

There are four paid position opportunities involving teaching K-12 students.

We are looking for individuals who have some coding and STEM experience or are willing to learn and be trained. Pre-service teachers and STEM Majors are encouraged to apply.

We are in the process of collecting a potential pool of candidates. See below details for each camp and please apply.

## APPLICATION FORM

**Apply here:** http://www.itechstem.org/mentors

Once your application is received, you will receive notification about a potential online interview within two weeks.

## ACADEMY DATES

**LEADERS** (APRIL 13, 20, 27) (SATURDAYS/VIRTUAL) - (GR. 3-8)

**\*ITECH-STEM** (JUNE 3-7) (UH SUGAR LAND) (GR. 3-6)

**\*GIRLS AND BOYS CODING ACADEMY** (JUNE 10-14) (UH SUGAR LAND) (GR. 6-12)

**\*BIOTECHNOLOGY ACADEMY** (JUNE 20-28) (MAIN CAMPUS) (GR. 9-12)

*DATES ARE TENTATIVE

iTECH-STEM

BIOTECHNOLOGY ACADEMY BY ITECH-STEM

CODE COUGARS

GIRLS & BOYS CODING ACADEMY

LEADERS

UH STEM Center
UNIVERSITY OF HOUSTON

# STEM MENTOR

## CONTACT

Dr. Bulent Dogan at **bdogan@uh.edu** (LEADERS, ITECH-STEM, BioTechnology Academy)
Dr. Heather Domjan at **hndomjan@central.uh.edu** (Girls & Boys Coding Academy)

## ACADEMIES IN 2024

### LEADERS Project  (Virtual)

The LEADERS program is supported by Cougar Initiative To Engage (CITE), Provost's Office at the University of Houston. The project provides opportunities for "Service Learning," "Undergraduate/Graduate Research," and "Direct Real-world Teaching Experience" for undergraduate/Graduate students majoring in Teaching and Learning and STEM fields at UH. The program consists of three weeks of Saturday "workshop labs" in April consisting of learning, teaching, and mentoring sessions in the spring semester with faculty industry experts to supervise and instruct students. The LEADERS project involves the following Domains: Digital Storytelling, Coding, and Game Development.  UH students will teach and mentor students in grades 4-8 and serve the larger UH community. After completing the workshops, UH students will engage in educational research activities guided by the College of Education faculty.

### ITECH-STEM (In-person)

ITECH-STEM is a summer technology camp and an innovative program promoting/teaching Computer Science (CS) and Technology topics that are popular and emerging with a STEM focus. The ITECH-STEM involves the following Domains: Digital Storytelling, 3D-Printing, Game Development, and Coding. ITECH-STEM is hosted by the Department of Curriculum and Instruction, College of Education, and UH-STEM Center. We teach students in grades 3-6th grade. Please read our FAQ here and apply: http://www.itechstem.org/mentors/

### Girls Coding Academy by CodeCougars (In-person)

Girls Coding Academy is supported by Hewlett Packard Enterprise Data Science Institute at the University of Houston and hosted by the Department of Curriculum and Instruction and UH STEM Center. This academy is focused on middle school girls (rising 6-8th graders) learning Scratch, HTML, Game Development and Python programming and high school students (rising 9-12th graders) learning Python Programming and Game Design.  Please view the FAQ here: http://codecougars.org/faq/

### BioTechnology Academy ( In-person)

The BioTechnology Academy is a "co-curricular" project designed for undergraduate students majoring in Biology, Chemistry, Biochemistry, Teaching and Learning, Engineering, Computer Science, and STEM fields at the University of Houston. The project is hosted by the "College of Education (COE)" and "College of Natural Sciences and Mathematics (NSM)" in collaboration, with the help of various faculty ranks and entities, as well as community partners. Mentors will have "training" and "service-learning" opportunities in the summer semester and a series of "yearlong activities" through the "learning community" during the school year. During the summer camp, undergraduate students will learn the theory of molecular interactions, biomolecular structures, protein docking, binding, and molecular dynamics with the end of goal of "drug discovery for COVID-19". Mentors will be teaching students in high school during the summer camp. Please view the FAQ here: http://www.itechstem.org/biotechnology

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