**Industries of the Future Research Experiences for Preservice Teachers in STEM**

***Preservice Teacher Application Form***

**Part A: Applicant Information**

Name

(Last) (First) (M.)

Contact Information**:**

Home Address City

State/Zip Cell ( ) Other (Work/home) ( )

Email (primary) Email (secondary)

\* The accepted preservice teachers will receive stipends ($4,800/six weeks) from the program. The preservice teachers will then be responsible for the cost of living.

**Part B: Education and Professional Development**

List all college degrees earned or in progress:

|  |  |  |  |
| --- | --- | --- | --- |
| **Institution Name** | **Degree** | **Year Earned** | **Major/Minor Subject** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

List professional development activities related to STEM education in which you have participated during the past five years: Provide a brief explanation (2-3 sentences) regarding what you learned/gained from each activity:

1)

2)

3)

4)

5)

**Part C: Experience**

Field or teaching experience history (please begin with the **most current year**):

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of School campus** | **Name of School District**  **(and state, if outside TX)** | **Academic Years Taught at that campus** | **Subject(s) Taught** |
| Example: XYZ High School | Example:  ABC School District | Example:  2020-present | Example: Algebra I, Geometry |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

What laboratory research experience have you had?

Have you participated in a research program before? If so, please describe the name of the program, the area of research, and how long was the research experience.

Please describe your prior experience in curriculum development, including any group leadership experience

(attach additional pages if needed).

**Part D: Essays**

Please write and attach an essay that addresses each of the following topics. The essay should be no more than two pages with single space, Times New Roman font, 12 pts, and 1” margin on all sides. Provide specific examples wherever possible.

 Why do you want to participate in this program?

 What do you hope to gain?

 What research area(s) are you most interested in (AI, Biotech, Communication, Quantum, Manufacturing) and why?

 How would you expect this experience to contribute to your future teaching career?

**Part E: Reference**

Provide a completed reference form from one of your instructors/professors in the teachHOUSTON program. The form can be accessed at (*https://uh.edu/tech/coss/re-pst/*).

**Part F: Applicant Certification**

I hereby certify that the information provided in this application is

(Applicant Name)

correct to the best of my knowledge:

**Applicant Signature**:

**Date:**

To be considered for this program, your completed application package should be emailed to Dr. Weihang Zhu as one PDF file by March 17, 2023 and include:

 Complete application with signatures from Applicant

 Essay – All applicants must submit an essay for Part E above.

Reference form needs to be directly emailed from your reference to Dr. Weihang Zhu

Contact Information:

Dr. Weihang Zhu, wzhu13@uh.edu

*Industries of the Future Research* Experiences for Preservice Teachers in STEM

Department of Engineering Technology

Room 304, 4230 MLK Blvd

University of Houston, Houston, TX 77204

Applicants will be notified by March 31, 2023.