

Research Experiences for Teachers in Machine Learning and Smart System Design

Teacher Application (for high school teachers)

Part A: Applicant Information

Name _____
(Last) (First) (M.)

Contact Information:

Home Address _____ City _____

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

Email (primary) _____ Email (secondary) _____

If accepted, I will need assistance in reserving summer housing in College Station. Yes No

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 career and technology 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: School/District Information

School Contact Information:

District Name _____ School Name _____
School Address _____ City _____
State/Zip _____ Phone (____) _____

Provide your current student campus (not district) demographics (percentages):

_____% White _____% Black _____% Hispanic _____% American Indian _____% Asian

What percentage of your school's students are on the free lunch program? _____%

Part D: Experience

What subject(s) are you certified to teach in Texas? _____

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).

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: 2009-present	Example: Algebra I, Geometry

Part E: Essays

- (Required for all applicants)** Please write and attach a 1-2 page essay that addresses each of the following topics. Provide specific examples wherever possible.

 - Why do you want to participate in this program?
 - What do you hope to gain?
 - Describe professional leadership roles you have held.
 - How would you expect to take this experience back to faculty and students at your campus?
- (Required only for applicants who wish to be considered for the Master Teacher position)** The role of the Master Teacher position is to provide additional assistance during the curriculum development process to other teacher participants in the cohort. The Master Teacher should have curriculum development and administrative experience. The Master Teacher needs to be positive and approachable and have strong communication skills. The Master Teacher must be able to adapt curricular advice to teachers who teach subjects other than those of the Master Teacher. The Master Teacher must be a good problem solver, and also have the ability to provide timely support to participants. Please write and attach a 1-page essay that address what you think are the biggest challenges that teachers will face during the program and what you, as the Master Teacher, could do to help the teachers. Please give concrete examples of what you would do.

Part F: Sample Lesson Plan

Please attach one of your current (or previous) lesson plans that illustrate a non-lecture-style lesson. For example, you could include a lesson that is interactive, hands-on, cooperative, inquiry-based, or team-oriented.

Part G: Reference

Provide a completed reference form from your department head or your campus principal/associate principal. The form can be accessed at <http://people.tamu.edu/~hsieh/ret/about.html>

Part H: School Principal Certification

This section is to be completed by the Principal or Assistant Principal of the applicant's campus.

I _____ hereby certify that _____
(Principal Name) (Applicant Name)

is a secondary teacher in the _____ School District.
(District Name)

Principal Signature: _____ **Date:** _____

Part I: 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 include:

- Complete application with signatures from:
 - Principal or Assistant Principal
 - Applicant
- Essay(s) – All applicants must submit an essay for Part E(1) above. In addition, applicants who wish to be considered for the Master Teacher position must submit an essay for Part E(2). We anticipate that each summer cohort will consist of five Teacher participants and one Master Teacher participant.
- Sample lesson plan

**PREFERRED - Please *email* your completed application package to the program director, Dr. Sheng-Jen ("Tony") Hsieh at hsieh@tamu.edu
The subject line of the email should be: RET 2024 Application - your name**

Alternatively, you may place application materials together in one envelope and send via U.S. postal mail to:

Dr. Sheng-Jen ("Tony") Hsieh
Research Experiences for Teachers in Machine Learning and Smart System Design
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Texas A&M University
College Station, TX 77843-3367