



UNIVERSITY of HOUSTON

CULLEN COLLEGE of ENGINEERING
Department of Civil & Environmental Engineering

Uncertainty Quantification Lab PhD Student Positions

The Uncertainty Quantification (UQ) Lab at the University of Houston (UH), led by Dr. Ruda Zhang, invites applications for two (2) PhD student positions in areas of data-driven engineering and uncertainty quantification. The expected start time is **Fall 2023** (classes start on August 21, 2023) and may be as early as Summer 2023. Applications are accepted until May 15, 2023; priority deadline is March 15, 2023. Interested students should **fill out this online form** (<https://forms.office.com/r/wv2Pcu47Xm>) **as soon as possible** to expedite the screening process. Official applications must be submitted according to university guidelines (<http://www.cive.uh.edu/admissions/civil-engineering/application-forms>). For a web version of this job post, see (<https://uq.uh.edu/positions>).

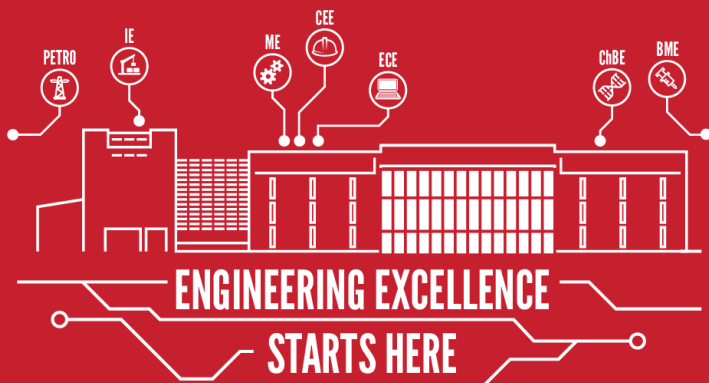
Research topics of interest include:

- * digital twins for structural systems;
- * deep learning tools designed for engineering;
- * infrastructure health monitoring;
- * quantitative sustainability and resilience;

Preferred skills/experiences include:

- * coursework in mathematics, mechanics, or physics;
- * computer programming (Python, C/C++, etc.);
- * research in computational/engineering mechanics, deep learning;
- * experimental skills in mechanics and dynamics;

Successful applicants will receive full tuition support for the duration of their study. The UQ Lab offers stipend that is competitive in the State. Besides, the Lab will provide extra financial support for conferences, training workshops, and summer internships. The UQ Lab at UH is an inclusive team. We strongly encourage applications from women, under-represented groups, and minorities broadly defined. For inquiries regarding these positions, please email Dr. Ruda Zhang (rudaz AT uh DOT edu), with the subject line "Prospective Graduate Student: {Your Name}".



The University of Houston is located in a picturesque 667 acre campus a few minutes from downtown Houston with over 45,000 students. The University of Houston has seen tremendous momentum in recent years, and the College of Engineering is on its path to be Top 50 in the U.S.

Houston is the fourth largest city in the U.S. It has a vibrant economy with energy, health care, and tech industries. The greater Houston area offers world-class arts and cultural activities, recreational facilities, and affordable housing. The State of Texas does not collect income tax.