

**Tenure-Track Assistant Professor in Embodied Artificial
Intelligence
Northwestern University**

Direct Link: <https://www.AcademicKeys.com/r?job=246583>

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Posted Oct. 4, 2024, set to expire Feb. 5, 2025

Job Title Tenure-Track Assistant Professor in Embodied Artificial
Intelligence

Department Mechanical Engineering and Computer Science
<https://www.mccormick.northwestern.edu/mechanical/>

Institution Northwestern University
Evanston, Illinois

Date Posted Oct. 4, 2024

Application Deadline Nov. 15, 2024

Position Start Date September 2025

Job Categories Assistant Professor

Academic Field(s) Mechanical Engineering
Computer Science

Job Website <https://www.mccormick.northwestern.edu/mechanical/careers/>

Apply Online Here <https://facultyrecruiting.northwestern.edu/apply/MjlyNQ==>

Apply By Email

Job Description

We invite applications for a full-time, tenure-track faculty appointment at the level of Assistant Professor, jointly appointed by the Department of Mechanical Engineering and the Department of Computer Science at Northwestern University.

We seek candidates who will lead pioneering research in embodied artificial intelligence: intelligent systems with embodiment that perceive, physically interact with, and respond to the physical world. Priority areas include, but are not limited to computational design, robotics, biohybrid machines,

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physically-embodied artificial intelligence and machine learning, and biologically-inspired perception. A competitive candidate from the fields of perception, AI, or learning will have demonstrated expertise with deployments on physical actuated systems, and a competitive candidate from the fields of actuation or mechanics will have demonstrated expertise applying advanced computational intelligence to mechanical design and behavior execution.

Applicants should hold an earned PhD or be near completion of their doctoral studies with demonstrated research potential in Mechanical Engineering, Computer Science, or a related field.

The hire will have opportunities for interdisciplinary collaboration via broad research initiatives and centers at Northwestern, including the [Center for Robotics and Biosystems](#), the [Center for Synthetic Biology](#), the [Center for Deep Learning](#), the [Materials Research Science and Engineering Center](#), the [Center for Human-Computer Interaction + Design](#), and the [NSF ERC Human Augmentation via Dexterity](#).

Application instructions: Candidates are requested to upload a cover letter, curriculum vitae, statement of research, statement of teaching, statement of diversity (addressing potential contributions to enhancing diversity, equity, and/or inclusion), and the names and contact information for three to five references. In the cover letter, candidates should summarize their qualifications in advancing new frontiers in embodied artificial intelligence. Applications will be accepted until the position is filled. To receive full consideration, all materials including reference letters should be received by **November 15, 2024**. Application materials must be submitted via the web interface at <https://facultyrecruiting.northwestern.edu/apply/MjlyNQ==>.

Compensation: The expected base pay range for this position is \$133,000–\$145,000. This base pay range is for a nine-month academic appointment, does not include summer salary, and is subject to negotiation. Research discretionary funding will also be provided. Summer salary, including from sponsored projects, may also be available.

Northwestern University has provided a pay range representing its good faith estimate of what the university reasonably expects to pay for the position. The pay offered to the selected candidate will be determined based on factors including (but not limited to) the experience and qualifications of the selected candidate including years since terminal degree, training, and field or discipline; departmental budget availability; internal equity; and external market pay for comparable jobs.

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At Northwestern, we are proud to provide meaningful, competitive, high-quality health care plans, retirement benefits, tuition discounts and more! Visit us at

<https://www.northwestern.edu/hr/benefits/index.html> to learn more.

Questions: faculty-search@cs.northwestern.edu

EEO/AA Policy

The Northwestern campus sits on the traditional homelands of the people of the Council of Three Fires, the Ojibwe, Potawatomi, and Odawa as well as the Menominee, Miami and Ho-Chunk nations. We acknowledge and honor the original people of the land upon which Northwestern University stands, and the Native people who remain on this land today.

Northwestern University is an Equal Opportunity, Affirmative Action Employer of all protected classes, including veterans and individuals with disabilities. Women, racial and ethnic minorities, individuals with disabilities, and veterans are encouraged to apply. Click for information on [EEO is the Law](#).

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact CS Faculty Search
Computer Science
Northwestern University
Evanston, IL

Contact E-mail faculty-search@cs.northwestern.edu