

Faculty Position Announcement

Full-Time Faculty Member in Computer Science — Open Area (Algorithms, Systems, Machine Learning/Deep Learning, or a Closely-Related Core CS Area)

About the Position

The Computer Science program at MUIC invites applications for a **Full-Time Faculty Member** position. We welcome strong candidates from **any core computer science discipline**—including algorithms and theory, systems, machine learning and deep learning, or a closely related area—provided their work reflects genuine computer science depth rather than a purely adjacent or applied-domain specialty. What matters most is a **strong CS theoretical foundation paired with the ability to carry that theory into practice**—someone who can move comfortably between formal reasoning and working implementation, and who brings that same bridge into the classroom, alongside a genuine commitment to **undergraduate teaching and curriculum leadership**.

About the Program

Our undergraduate CS program serves a growing student body (70–90 incoming students annually) across a four-year curriculum. We are a small, close-knit faculty, and we are looking to add a full-time faculty member who will take an active role in shaping introductory and core courses, not just upper-level electives in their specialty.

Responsibilities

- Teach undergraduate courses across the CS core, including foundational courses (e.g., data structures, algorithms, systems, machine learning) as well as courses aligned with the candidate's specialization
- Design coursework and projects that translate theoretical concepts into hands-on implementation, giving students exposure to both rigorous foundations and real-world application
- Contribute to curriculum design and course sequencing, particularly for foundational, program-defining courses
- Advise undergraduate students and supervise capstone/thesis projects
- Maintain an active, publishable research program in a core CS area (e.g., algorithms/theory, systems, machine learning/deep learning, or a related field)
- Participate in divisional service, including admissions, accreditation, and program administration and review activities

Required Qualifications

- Ph.D. in Computer Science/Computer Engineering or a closely related field (completed or nearing completion at time of appointment)
- Demonstrated expertise in a core computer science area — e.g., algorithms and data structures, systems, parallel/distributed computing, machine learning, deep learning, or a comparable area grounded in CS theory and methodology
- Demonstrated ability to translate theoretical or formal work into practical implementation — e.g., systems built, tools released, industry collaborations, or applied projects alongside academic publications
- A genuine interest in undergraduate education, including foundational/introductory course design — candidates should be able to speak concretely to this in their application, not only to their research agenda
- Evidence of research productivity appropriate to career stage (publications, preprints, or an active research trajectory)

Preferred Qualifications

- Experience teaching or designing foundational/introductory computer science courses
- A track record of applied work — open-source contributions, industry experience, deployed systems, or applied research partnerships — that demonstrates comfort moving from theory into practice
- Willingness to teach outside a narrow specialty as curricular need requires
- Experience or interest in mentoring students or building departmental research capacity
- Experience supervising undergraduate research or capstone projects

A Note to Applicants

We're genuinely enthusiastic about strong candidates in algorithms/theory, systems, machine learning/deep learning, or other core disciplines of computer science alike. What we are not looking for is an applicant whose work sits outside computer science proper (e.g., pure mathematics, or a domain-application field that happens to use computational tools), or someone who works purely at the theoretical level with no interest in implementation. We value strong research, but the successful candidate must be prepared to teach and help shape our foundational, high-enrollment courses, to see undergraduate education as a primary part of the role, and to bring theory into practice — for students in the classroom and in their own work.

Application Materials

- Cover letter addressing both research interests and specific interest in undergraduate teaching and curriculum contribution
- Curriculum vitae
- Statement of teaching philosophy, including any experience with foundational/introductory course design

- Statement of research interests and plans
- Names and contact information for three references

Review of Applications

Applications will be reviewed on a rolling basis until the position is filled.

For more information, please contact

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