Research Engineer in the Center for Interdisciplinary Data Science and Artificial Intelligence (CIDSAI) - Dr. Pierre Youssef

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Type: Full-Time
Posted: 22 days ago
Category: Software Engineer/Programmer

جامعة نيويورك أبوظبي
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New York University: NYU - Global: Abu Dhabi: AD_Research Centers: Center for Interdisciplinary Data Science and Artificial Intelligence

Location: Abu Dhabi, UAE

Description:

The Center for Interdisciplinary Data Science and Artificial Intelligence (CIDSAI) at NYU Abu Dhabi seeks to recruit a Research Engineer to support the design and implementation of interactive AI and data science platforms across the Center's research clusters.

The successful candidate will collaborate with researchers and faculty across domains such as Foundations of Data Science, Enabling Technologies, Health, Education and Personalized Learning, and Bias, Ethics & Privacy, contributing to the development of prototypes, interfaces, and software infrastructure that translate research outputs into usable tools.

Key Responsibilities:

- Design, develop, and maintain web-based and AI-powered platforms supporting CIDSAI research projects.
- Collaborate with faculty and postdocs on projects such as: Mathematical Collaboration Platform, Personalized Learning Systems and SmartClass AI Tutors, Health-focused conversational AI and multimodal interfaces, Bias detection and fairness-aware tools for ethical AI.
- Integrate machine learning models, visualization dashboards, and backend services.
- Contribute to data collection, testing, documentation, and dissemination of open-source resources.

Qualifications:

- Bachelor's or Master's degree in Computer Science, Software Engineering, or a related field.
- Strong programming skills.
- Experience with machine learning frameworks and backend systems.
- Familiarity with cloud computing, API integration, data visualization, and database management.
- Ability to work in interdisciplinary research environments bridging theory, applications, and ethics.

The appointment is for two years, with the possibility of renewal. The terms of employment are very competitive and include housing and educational subsidies for children. Applications will be accepted immediately and candidates will be considered until the position is filled. To be considered, all applicants must submit a cover letter, curriculum vitae, transcript of degree, a maximum three pages summary of research accomplishments and interests, and at least 2 letters of recommendation, all in PDF format. Further questions may be directed to Professor Pierre Youssef at yp27@nyu.edu.

About NYU Abu Dhabi

https://nyuad.nyu.edu/en/

NYU Abu Dhabi is the first comprehensive liberal arts and research campus in the Middle East to be operated abroad by a major American research university. Times Higher Education ranks NYU among the top 30 universities in the world, making NYU Abu Dhabi the highest-ranked university in the UAE and MENA region. NYU Abu Dhabi has integrated a highly selective undergraduate curriculum across the disciplines with a world center for advanced research and scholarship. The university enables its students in the sciences, engineering, social sciences, humanities, and arts to succeed in an increasingly interdependent world and advance cooperation and progress on humanity's shared challenges. NYU Abu Dhabi's high-achieving students have come from over 120 countries and speak over 100 languages. Together, NYU's campuses in New York, Abu Dhabi, and Shanghai form the backbone of a unique global university, giving faculty and students opportunities to experience varied learning environments and immersion in other cultures at one or more of the numerous study-abroad sites NYU maintains on six continents.

NYUAD is committed to upholding a culture of non-discrimination, anti-harassment, dignity, and mutual respect; providing equal access and opportunity; and fostering academic excellence in learning, research, and teaching.

UAE Nationals are encouraged to apply.

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