Postdoctoral Research Associate
Texas A&M University-Corpus Christi

Job Title	Postdoctoral Research Associate
Department	College of Engineering
Institution	Texas A&M University-Corpus Christi
	Corpus Christi, Texas
Date Posted	Mar. 14, 2024
Application Deadline	Open until filled
Position Start Date	Sep. 1, 2024
Job Categories	Post-Doc
Academic Field(s)	Production/Operations Management
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Job Description	

PURPOSE

Fostering advanced research, innovation, and collaboration for sustainable manufacturing using operations research and machine learning. Facilitating the preparation of proposals for new grants and ensuring compliance with the requirements of granted projects.

DESCRIPTION

Postdoctoral Research Associate
Texas A&M University-Corpus Christi

Functional Area 1: Research

Percent Effort: 70%

Job Duties

- Developing decision support tools using system modeling, optimization, and machine learning (especially reinforcement learning) for applications of smart and sustainable manufacturing.

- Prepare research papers for journals and conferences.

- Data organization and management

- Data analyses

- Data dissemination

- Pursue research in the lab and field.

- Keep up with current and appropriate literature.

Functional Area 2: Proposal Preparing and Program Management

Percent Effort: 30%

Job Duties

- Working closely with Dr. Yun and assisting in preparing grant proposals.

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Writing reports for funding agencies.

QUALIFICATIONS

- Ph.D. (or expected completion by Fall 2024) in Operations Research, Industrial Engineering, Computer Science, or a related field.

- Strong mathematical background, including expertise in optimization, probability, statistics, and machine learning (especially reinforcement learning).

- Prior experience working with data and system modeling, familiarity with at least one programming environment (e.g., MATLAB, Python, R)

Contact Information

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

Contact

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