Postdoctoral Research Fellow of the Data Science Research Center

Duke Kunshan University

Job Description

Position Overview:

The Data Science Research Center (DSRC) at Duke Kunshan University (DKU) is seeking applicants with expertise in computer vision, and in particular, human behavior video analysis to engage in research collaboration between Duke University, Duke Kunshan University, top hospitals and major industrial companies.

DKU is a partnership of Duke University, Wuhan University and the Municipality of Kunshan, China. The campus is located 37 miles west of Shanghai in Kunshan, which is connected to Shanghai via a 20-minute high-speed train. DKU currently offers graduate and undergraduate programs. For more info, visit http://www.dukekunshan.edu.cn.

DSRC is an interdisciplinary research-dedicated unit that engages a broad spectrum of investigators across disciplines. The center is now aggressively pursue interdisciplinary research on big data analytics over a broad range of applications including autonomous driving, advanced manufacturing, digital arts, human computer interaction, behavior signal processing, healthcare, etc.

Candidates will work on projects related to multimodal behavior signal analysis and interpretation for mental health applications supervised by Dr. Ming Li.

Based on the performance, this post-doctor research associate may be promoted to research assistant professor upon completion of the first contract.

Reports to:

Associate Professor of Electronical and Computer Engineering

Essential Duties:

- Perform research and development works on research projects in DSRC
- Help mentoring interns and volunteers for research projects in DSRC
- Other tasks as assigned.
- University employees' job responsibilities will continue to expand in scope and depth as the University grows in size and complexity in its programs.

Required Qualifications:

- Ph.D. degree in Electrical and Computer Engineering, Electrical Engineering, Computer Science or related major
- Candidates should have a strong research track record for one of the following topics: (1) automatic recognition of facial expressions, gestures, gazes and human visual activities, (2) multimodal machine learning algorithms for human behavior signal processing, (3) technologies to help clinicians with mental health diagnoses and treatments.
- Candidates should have publications in top machine learning, computer vision, affective computing conferences and journals. Research involving clinical patients with mental health disorders (e.g., autism, depression, schizophrenia, suicidal ideation, addiction, etc.) and experience mentoring students are a plus.