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Position Description
Department of Computer Science and Engineering
Department of Bioproducts and Biosystems Engineering
University of Minnesota Twin Cities

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Position: Post-doctoral Research Associate in Machine Learning

Position Overview:

A unique opportunity to be part of an exciting technological challenge. The Abbas Research Lab and Rui Research Lab at the University of Minnesota are looking for a talented postdoctoral research associate to join their teams starting Fall 2019 to work on the Phase I Egg-Tech Challenge, an international competition that may lead to Phase II Egg-Tech Prize focused on technology transfer and commercialization. The postdoc must have a PhD degree in Computer Science and Engineering, Electrical Engineering, Data Analytics or related fields. Experience in machine learning is required. Additional experience in machine vision or 2D/3D imaging systems is preferred but not required. The successful candidates will serve an initial one-year term, with a possible second-year renewal based on the qualifications and performance. Review of applications will begin on November 10, 2019, and will continue until the position is filled.

Major Areas of Accountability with %:

65% - Conducting research related to machine learning, deep learning, machine vision using 2D/3D imaging systems, data collection and analysis and the development of machine learning algorithms.
15% - Write research reports, manuscripts for publication and invention disclosures, and participate in seminars national and international conferences when needed.
10% - Contribute to research proposal writing.
5% - Provide training and mentorship to graduate and undergraduate students in the lab
5% - Participate in all activities or meetings organized by the lab, or departmental activities where postdoc participation is required.

Required Qualifications

- Ph.D. in Computer Science and Engineering, Electrical Engineering, Data Analytics, or related fields
- Experience in machine learning/deep learning
- Excellent oral and written communications skills

Preferred Qualifications

- Experience in machine vision or 2D and 3D imaging systems.

- The combination of skills in electric engineering particularly 2D/3D imaging systems and machine learning is preferred.

To apply for the position, please send your resume to:

Prof. Abdennour Abbas
Email: aabbas@umn.edu
Website: www.abbaslab.com

Prof. Rui Kuang
Email: kuang@umn.edu
Website: http://compbio.cs.umn.edu/

Alternatively, you can apply online. Go to: https://humanresources.umn.edu/content/find-job and search for Job ID 332905.