Researcher Specialising in Artificial Intelligence

Collaboratory at TU Dublin is a new Industry Solutions Hub located at the Blanchardstown Campus of Technological University Dublin. Collaboratory at TU Dublin will prepare industry to address the threat that emerges when AI and IoT advancements are vulnerable to or are threatened by cybercrime. As technology advancements result in new ways of doing business, industry of all scales will increasingly look to AI and IoT to drive efficiencies. Concomitant with progress in these two areas will be the absolute necessity to provide wraparound expertise in Cyber Security.

Collaboratory has a vacancy for a Researcher Specialising in Artificial Intelligence to join its growing research team. This role will suit an ambitious individual who wants to work in an industry-facing research environment. In addition to a demonstrable academic track record, this role requires communication skills, customer service skills and strong technical knowledge in the area of Artificial Intelligence, particularly how this field relates to Cyber Security.

Role Requirements
- To conduct activities of applied research and development under the supervision of the Principal Investigator and the Manager.
- To originate new project ideas and champion these towards implementation.
- To grow and develop relationships with industry.
- To prepare and deliver relevant training sessions to industry partners.
- To engage in writing funding applications.
- To engage in the dissemination of R&D work as appropriate.
- To develop content and case studies for promotion of technical services available at the Collaboratory.
- To contribute towards Tech Transfer outcomes.
- To engage in the wider R&D and scholarly activities of TU Dublin.
- To interact closely with academics and postgraduate research students who are engaged in applied research in conjunction with the Collaboratory.
- The employee will be expected to carry out any additional duties as may reasonably be required within the general scope and level of the post.

Essential skills and experience:
- A PhD qualification in Computer Science, Engineering, or a related area.
- Critical thinking skills, data analysis skills and a demonstrated ability to integrate these skills into effective experimental design, execution, creative solutions, reporting/dissemination.

- Demonstrable research ability.
- Strong communication skills with the ability to work in a highly collaborative and interdisciplinary environment.
- Excellent written and oral proficiency in English.
- Excellent written and verbal communication and interpersonal skills.

Desirable qualifications, skills and experience*:*
- Three years' industrial experience in a development role.
- Strong mathematical foundation with analytical background in machine learning algorithms, e.g., experience with deep learning and associated programming libraries.
- Knowledge of high performance computing.
- Demonstrable project management skills.
- Experience of collaborating with HEIs.
- Experience securing funding and managing budgets.
- Experience working in collaboration with industry on technical projects.
- Experience of working in an Irish and/or European funded research environment.

Terms: Salary €58,000. This is a role with the Collaboratory (Company Limited by Guarantee), and not directly with TU Dublin. The Collaboratory is wholly owned by TU Dublin.

Contract: 2.5 years (30 months)

Applications: Interested candidates should submit a cover letter and CV to collaboratory@tudublin.ie by 5pm on Wednesday 24/11/21.

COLLABORATORY
CYBER SECURITY HUB AT TU DUBLIN

www.collaboratory.ie

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