Job description

Job Title   Machine Learning Engineer (KTP Associate at Guildhawk Ltd.)

Faculty/Dept   College of Business, Technology, and Engineering

Grade   KTP Associate

Company Name   Guildhawk Ltd.

Role Purpose   The development of AI-based natural language processing (NLP) techniques for automated machine translation and human-in-the-loop data labelling.

Responsibilities

- To develop and deploy state-of-the-art machine learning models for semi-automated human-in-the-loop data labelling.

- To design and evaluate user interfaces suitable for non-technical users using Human Computer Interaction (HCI) best practices.

- To design and develop large-scale language models for context-aware machine translation capable of capturing cultural and domain specific nuances.

- To engage with key stakeholders and end-users to develop user focussed application specifications.

- To lead the management of the project to ensure project deliverables are achieved and to ensure effective product deployment and operation.

- To plan and conduct internal and external training programmes, including troubleshooting and supporting early adopters.

- With the agreement of all partners, to assist in the dissemination of knowledge developed during the project.

The above list is not exhaustive and, as such, it is expected that you will be responsible for related issues commensurate to the level of the role.

Person Specification

Job Title	Machine Learning Engineer (KTP Associate) - Guildhawk Ltd.
Faculty / Directorate	College of Business, Technology, and Engineering

(* **E**ssential or **D**esirable)	Details	E*	D*	Evidence**
Attainment Evidenced achievements e.g. relevant qualifications (or equivalents), training, membership of professional bodies	Good honours degree (1st/2.1) in Software Engineering/Computing (or equivalent qualification)*	E		AF + QC
	MSc or higher attainment in Software Engineering/ Computing (or equivalent experience).	E		
	Associate Member of a professional engineering institution e.g., Institute of Engineering and Technology.		D	
	Please note: Degree must have already been completed and a certificate obtained.			
Experience Type of experience and specific knowledge required for this job	Experience in at least one element of each of the following areas: Technical Core: • Implementation of Machine Learning systems for Natural Language Processing (NLP). • Deployment of Cloud Computing solutions.	E		AF + I + P
	Technical Method: • Experience of agile software development. • Experience of application development using HCI principles.	E		
	Process: • Experience of undertaking literature reviews in subjects relevant to the project area, such as machine learning / natural language processing. • Understanding of software quality processes.	E		
	Practice: • Relevant experience of software project management. • Experience of delivering training programmes / troubleshooting / support.	E		
	Awareness: • Commercial experience or equivalent in software development projects. • Business awareness and knowledge of business models	E		
Competencies Skills and abilities required for effective performance e.g. numeracy, attention to detail, oral and written communication, planning and organising, leadership skills, ability to cope with conflicting demands/deadlines	Ability to work effectively as part of a team and leading a team.	E		AF + I
	Ability to work independently, problem solve and seek guidance where required.	E		
	Good report writing, presentation skills, communication skills, and attention to detail.	E		
	Organisational skills and the ability to prioritise work with conflicting deadlines.	E		

	Ability to understand commercial markets and the factors influencing them.	E		
Other relevant information e.g. shift work or weekend working, travel in UK or abroad (state approximate frequency i.e. travel abroad twice a year)	Willingness to travel within the UK including regular travel between the company and the university.	E		I

**Evidence / Method of Assessment:

AF = Application form

P = Presentation

I = Interview

Q/C = Qualifications / Certificates