



JOB DESCRIPTION

Job Title:	Augmented Reality Developer (KTP Associate)
Grade:	E
Salary	£33k-£38k plus £2k for training development
School:	School of Architecture, Computing & Engineering
Duration	36 Months
Hours	Full-time
Location	Intelligent Voice Ltd, St. Clare House, 30-33 Minories, London, EC3N 1DD
Responsible to:	Academic supervisor & Industrial supervisor
Liaison with:	Academic Lead, other academic supervisors & Company staff

Job Purpose:

The KTP Associate will investigate capabilities and limitations of cutting-edge augmented reality technology, natural language processing, speech to text technologies and sub real-time hardware acceleration. The associate will have experience of developing software for virtual/ augmented/ mixed-reality projects. The associate will have the ability to work to deadlines, provide solutions to challenging requirements, and work with the state-of-the-art technologies that the project requires.

Main Duties:

- Carry out an in-depth investigation into the relevant cutting-edge technologies
- Assessment of the Company's business processes, existing software, systems and technologies
- Design specifications for the system architecture, prototype, testing and usability
- Design relevant tests & experiments to evaluate different solutions
- New software development of the online augmented reality user interfaces with avatar personalisation and animation
- Apply relevant models to the application area
- Augmented reality prototype development incorporating natural language processing, automatic speech recognition with augmented reality hardware
- Work with 3D game engines
- Analyse, review and evaluate limitations and capabilities of solutions
- Testing the efficiency and overall quality of the system and its procedural/performance outcomes
- Evaluation and refinement of the augmented reality integrated prototype

General Duties and Responsibilities:

- Undertake the work-plan as defined in the KTP proposal and as agreed by the Local Management Committee.
- Maintain and present project management documentation to effectively manage the KTP Project
- Maintain effective communication between the academic and company supervisors.
- Organise and lead monthly project team meetings and actively contribute to the Local Management Committee meetings.
- Provide executive summary and present project updates with proposals for future plans
- Collaborate in the development of academic papers and case studies as agreed with the project team.
- Participate in the development of promotional events as needed by the Company or the University
- Act as an ambassador for University of East London and Knowledge Transfer Partnerships.
- Ensure compliance with University Health & Safety requirements and regulations and apply the University's Equal Opportunities Policy in general conduct.
- Take personal responsibility to develop and maintain a personal development plan

This document outlines the duties required for the KTP associate post and to indicate the level of responsibility. It is not a comprehensive or exhaustive list and the duties may be varied by the project team.

PERSON SPECIFICATION

KTP Associate
Augmented Reality Developer

EDUCATION, QUALIFICATIONS AND ACHIEVEMENTS:

Essential criteria

1. Good honours degree in Computer Science, Computer Engineering or other relevant areas (A)

Desirable Criteria

2. Post-graduate qualification or PhD in Computer Science or other relevant subject areas (A)

KNOWLEDGE AND EXPERIENCE:

Essential criteria

1. Experience with Virtual, Augmented or Mixed Reality projects (A/I)
2. Software development experience, fluent in either C++ or C# (A/I)

Desirable Criteria

1. Unity3D/Unreal Game Engine - (Working knowledge & understanding). (A/I)
2. Experience or understanding of agile product development (A/I)
3. Mathematical skills (A/I)
4. Critical thinking skills (A/I)

COMMUNICATION:

Essential criteria

1. Good interpersonal skills, with ability to communicate effectively both verbally and in writing with a variety of stakeholders (A/I).

PLANNING AND ORGANISATION:

Essential criteria

1. Demonstrable experience of being able to plan and prioritise workloads, ensuring deadlines are met; keeping clear and appropriate records (A/I).

TEAMWORKING, PERSONAL ATTRIBUTES AND QUALITIES:

Essential criteria:

1. Demonstrable commitment and contribution to a multi-disciplinary team (A/I).
2. Experience of working on own initiative (A/I)

OTHER ESSENTIAL CRITERIA

1. Able to demonstrate an understanding of equality and diversity, and its practical application (A/I).

Criteria tested by Key:

A = Application form

C = Certification

I = Interview

T = Test