

UAE RESEARCH ASSISTANTSHIPS AY16-17

POSITION DESCRIPTION

Research Project

Private reality: Privacy-preserving Android Smart Glasses

Faculty

Michail Maniatakos, Assistant Professor of Electrical and Computer Engineering

Position

Research Assistant

Position Description

The project will focus on developing algorithms and software for the privacy-preserving smart glasses research project. Specifically, the project aims to develop an Android framework which will automatically recognize encrypted data and will try to decrypt it in a “smart” way: Since encrypted data recognition is based on Optical Character Recognition and it can be very noisy, the decryption methodology should be smart enough to correct potential errors. The position involves taking part in the project, in a capacity that matches the skills and research interests of the applicant.

RESPONSIBILITIES OF THE POSITION

- Literature survey of existing smart-glasses
- Methodology development for smart decryption/decoding
- Demonstration on android glasses

ESSENTIAL QUALIFICATIONS:

Computer Programming Skills (C or Java)
Great analytical skills

PREFERRED EXPERIENCE / SKILLS:

Android programming skills

APPLICANTS TO PROVIDE:

1. Statement of interest in the position
2. Transcript of degree(s)
3. CV
4. A letter of recommendation