

Center for Career Planning & Placement (CCPP)
Graduate Placement Services (GPS)

JOB VACANCY FORM[©]

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Job Reference No.: JV364

Company Name: *New York University Abu Dhabi*

Company Type: Private



Job Position/Title:	Emirati Research Assistantships - Research Assistant - Active Authentication	Academic Major:	Electrical Engineering or Computer Science
Salary Range:	Competitive Salary	Years of Experience:	Fresh Graduate
Job Location:	Abu Dhabi	Job Type:	Fixed term (One academic year starting from September and ending on June).
Nationality:	UAE Nationals	Gender:	Both
Job Description:	OVERVIEW New York University Abu Dhabi (NYUAD) is establishing world-class research throughout its full range of academic disciplines, through faculty research and the NYUAD Institute research centers. The Emirati Research Assistantship (ERA) Program has been introduced to provide outstanding Emirati graduates the opportunity to gain experience in a cutting edge academic research environment. An ERA position will enhance research and scholarship skills that will strengthen applications to graduate programs and/or applications for a career in research. ERAs are 9 – 12 month positions in a single research lab or scholarly project and are not renewable. In general, positions follow the academic year, beginning in September and finishing in June the following year. RESEARCH PROJECT DESCRIPTION Active authentication is a new form of authentication where the goal is to continuously authenticate a user rather than authenticating only when the user is signing on. The essence of active authentication is based on extracting and utilizing behavioral patterns (not physical traits), which are specific to a user. The active component refers to the fact that authentication takes place in the background in a continuous manner without interfering with users' normal activities. We envision an approach to model behavioral features of user interacting through various multimedia interaction devices (such as TV's, laptops, game consoles, etc.). Our proposed model characterizes an intrinsic digital signature based on the way the user interacts with ambient multimedia interfaces.		

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	Therefore, extending the concept of active authentication to multimedia interfaces will have potential uses in various user authentication applications. For instance, depth cameras (such as the Kinect) can be used to capture a wide variety of behavioral biometrics ranging from tracking of eye-movement patterns to facial expressions to bodily movements, postures and gestures. In this research project, students will learn about newly emerging motion tracking (Kinect) and smart interactive TV platforms to build an active authentication scheme. See the following link for more detailed information on active authentication: http://www.darpa.mil/Our_Work/I2O/Programs/Active_Authentication.aspx RESPONSIBILITIES OF THE POSITION (BULLET POINTS) • Students will get involved in both design and implementation aspects of the research project. • Students are expected to be able to read and present research papers. • Students will submit monthly research progress reports.
Minimum Qualifications:	ESSENTIAL QUALIFICATIONS: An undergraduate degree in electrical engineering, computer science or a closely related field. PREFERRED EXPERIENCE / SKILLS: We are looking for students who are inquisitive and self-motivated learners. The candidates should be confident in programming and should be able to understand and discuss technical papers. Knowledge on signal and image processing are pluses. APPLICANTS TO PROVIDE: • Statement of interest in the position • Transcript of degree(s) • CV • Two letters of recommendation
No. of Positions Required:	1
Job Close Date:	June 20, 2013

To Apply, UAEU Graduates/Alumni should send their CVs to:

nyuad.research.era@nyu.edu.

And

JN@uaeu.ac.ae

Please mention "Job Reference No.: JV364" in your email title in case we lost your information during filing.
Only doc/PDF/Zip files are acceptable.

