

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

JOB VACANCY FORM[©]

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Job Reference No.: JV363

Company Name: *New York University Abu Dhabi*

Company Type: Private



Job Position/Title:	Emirati Research Assistantships – Research Assistant - Shredded Documents	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 Document shredding has long been considered as the best way of destroying confidential and restricted paper documents. Therefore, shredders have become the standard equipment in most offices. Due to his prevalence in many law enforcement investigations and intelligence operations bags of shredded documents are routinely confiscated. It is thus quite striking that there are no automated techniques available for reconstructing shredded documents. Continued improvement in computer vision algorithms and the availability of cheap computation power has led to discoveries addressing many research challenges. Motivated by this, in this research work, we will extend the principles and techniques for recovering deleted digital files in storage volumes (i.e., file carving) and leverage image processing techniques to develop algorithms that		

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	can piece together shredded documents. See the following link for more detailed information on datasets we will be working on: http://archive.darpa.mil/shredderchallenge/ RESPONSIBILITIES OF THE POSITION - 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. Interest in puzzles and 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@uae.ac.ae

Please mention "***Job Reference No.: JV363***" in your email title in case we lost your information during filing.
Only doc/PDF/Zip files are acceptable.

