

Current Address
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Raffi Kayat

U.S. Citizen
EIT upon graduation

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OBJECTIVE Obtain an internship for the summer of 2012 where I can use my problem solving proficiency, multi-linguistic skills and apply my acquired engineering knowledge and experience. I am willing to travel and/or work in and outside the US.

EDUCATION The Pennsylvania State University University Park, PA
Master of Science, Architectural Engineering, MAE December 2012
Specialization: Structural Engineer
Bachelor of Science, Architectural Engineering, BAE December 2012
Minor: Architecture **GPA 3.6/4.0**

University of Melbourne, Melbourne – Exchange Student, Australia Spring 2010

Sede di Roma, Rome – Penn State’s Study Abroad Program, Italy Summer 2009

LANGUAGES Fluent in English, French and Arabic – Learning Spanish

RELEVANT COURSE WORK *Earthquake Resistant Design* *Advanced Concrete Design* *Advanced Steel Design*
Intro to Structural Analysis *Computer Modeling of Structures* *Masonry & Wood Design*

WORK EXPERIENCE **HDR, Inc** Alexandria, VA
Structural Engineer Intern May 2011– August 2011
Assigned to work on Brookhaven National Lab, Fort Bliss Hospital, NASA building 26 and USAG Humphreys (Korea). Assisted in modeling and designing current projects, reviewing shop drawings. Aided in designing core and structure of building, shear walls, basement walls, floor and sensitive equipment vibration, drilled piers, progressive collapse and blast considerations; Attended seminars, meetings, site visits, also conducted presentations, and collaborated with others in problem solving.

Penn State University University Park, PA
Mathematics Department – *Peer Mentor* January 2008- May 2008

PROJECT EXPERIENCE **Design Project in PennState – Student Architect** August 2010– January 2011
Assigned to design a new world-class facility for the Chemical Engineering department on campus. The project includes a detailed analysis of the site, provide modern educational, research, laboratoryspace, respect architecture of University Master Plan, and get silver LEED certification.

Design Project during Roma, Italy – Student Architect May 2009–August 2009
Assigned to design a Boutique Hotel in the heart of Rome. The process consisted of looking at the site and its context, sequencing general and individual room spaces, public to private interference, overall structural system and finally the challenges of the new in the old.

Shipping Container Project – Student Architect / Team Leader August 2008–Dec. 2008
Deconstructed and analyzed the container to give it another purpose. Reconstructed a model using multiple containers into a concept for living, creating architecture with an existing object.

Solar Panels Project – Community Service Volunteer May 2007- August 2007
Introduced and taught rural villagers in Lebanon to assemble small and affordable solar panels, to be used as tools for tapping clean energy to homes.

COMPUTER SKILLS **Engineering:** Revit Architecture, RAM, STAAD, ETABS, SAP 2000, Auto-Cad, Sketch-Up 3D
Software: Microsoft Excel, Word, Project, and Power Point, Publisher, Adobe Photoshop CS5

AWARDS Simpson Strong-Tie Scholarship Carpenter Scholarship by the City of Philadelphia
The Benjamin A. Gilman International Scholarship Phi Alpha Beta AE Honors Society
Strawbridge Trustee Scholarship 7th /30 place in EERI 2011 Design Competition SD, CA

LEADERSHIP Earthquake Engineering Research Institute of PSU –Design Team
Student Representative Council – Vice President – High School
Varsity Soccer Team Captain – High School – Awarded MVP of the year