

# Jose "Andres" Medina

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- **OBJECTIVE**
  - Seeking a full time position starting on May 2014.
  
- **EDUCATION** Graduating May 2014
  - **Texas A&M University** - College Station, TX.
    - o Candidate for B.S. in Computer Engineering. Psychology minor.
    - o Computer Science GPA: 3.75 Overall GPA: 3.571
    - o 70% of education financed through employment, grants and scholarships.
  - **Related Coursework:**
    - Data Structs & Algorithms      ▪ Graphics      ▪ Artificial Intelligence
    - Microcomputer Systems      ▪ Robotics      ▪ Game Development
  
- **SPECIAL PROJECTS AND QUALIFICATIONS**
  - Sound Localization using a 4 Microphone array.
    - o In charge of the calculations and simulations of the sound localizer.
  - Pacman Search Game using A\* algorithm with personal heuristics
    - o Programmed a Pacman Agent to find the best path given different layouts.
  - Gomoku Game (Five in a Row)
    - o Led my group on the development of both the mechanics and the A.I. player
  - Database System
    - o In charge of the querying algorithms for the creation of the database.
  - Built a Web Crawler from scratch using Python.
  - Built a 4-joint lamp able to animate through interpolation of desired poses
  - Multi threaded HTML Downloader
  - Snake Game for the Android Platform
  - Experienced in C++, Python, C, Java , Assembly Language and Verilog
  - Familiar with OpenGL, FLTK, LabVIEW and Microsoft Office
  - Fluent in Spanish (speaking, reading and writing)
  
- **AWARDS AND HONORS**
  - Texas A&M Dean's List. Fall 2011
  - Artificial Intelligence Class Certificate of Accomplishment.
    - o Advanced Track. Sponsored by Stanford University. Fall 2011
  - 1<sup>st</sup> Place for team events on the Southwestern Fencing Association (SWIFA) 2010-2012
  
- **WORK EXPERIENCE**
  - Research on behavior of multi-agent systems. Summer 2013 -
    - o In charge of the sensor detection and the information sources guiding the agents.
  - Peer Teacher for Computer Science classes. Spring 2013 -
    - o Aid students understand course material and project assignments.
  - Key Server in Denny's Restaurant, Missouri City. During school breaks. 2010 – 2013
  
- **EXTRACURRICULAR ACTIVITIES AND VOLUNTEERING**
  - Member of the Computer Science Honors Society (Upsilon Pi Epsilon) Spring 2013 -
  - Texas A&M Computing Society. Spring 2012 -
    - o Attend seminars and lectures about new/interesting software.
  - Texas A&M Fencing Club (Safety Officer) Fall 2010-
    - o Coach new members and participated on regional tournaments.
  - Volunteer of my local church, "Iglesia Cristiana Vida Nueva". Fall 2007-2012
  - Restored the front yard of an elderly lady as part of a volunteer group. March 26, 2011