QANDEEL SAJID

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EDUCATION:

University of Southern California ***Aug. 2013 - Dec. 2015***

- M.S. in Computer Science, GPA: 3.40/4.00

University of Nevada, Reno ***June 2009 - Aug. 2013***

- B.S. in Computer Science and Engineering
- With Specialization in Intelligent Systems and Minor in Mathematics, GPA: 3.94/4.00

EMPLOYMENT:

Graduate Researcher ***University of Southern California*** ***Aug. 2013 - Jan. 2016***

- Worked on Human-Robot Interaction (HRI) research with Dr. Maja Matarić in the Interaction Lab
- Investigated the use of various computational models for developing robot personalities
- Worked with various robot platforms (i.e., NAO); gained exposure to human subjects research studies
- Helped write and obtain a National Science Foundation (NSF) National Robotics Initiative (NRI) grant
- Mentored undergraduate students; provided outreach tours and events for K-12 classrooms

Research Internship ***Na. Inst. of Stds. and Tech. (NIST)*** ***Summer 2014, 2015***

- Worked with Dr. Jeremy Marvel on the Collaborative Human-Robot Safety Project
- Investigated various metrics for evaluating the performance of Human-Robot Collaboration in manufacturing

Research Internship ***NASA Ames*** ***May 2013 - July 2013***

- Evaluated the use of ARM single-board computers in transferring and manipulating Point Cloud data received directly from a Kinect
- Worked with BeagleBone, BeagleBoard, Gumstix, OpenNI, Kinect, ROS, and PCL

Undergraduate Research ***University of Nevada, Reno*** ***Sept. 2012 - May 2013***

- Worked on a NASA funded project on robot localization with Dr. Monica Nicolescu and Dr. George Bebis using ARDrones, and Android Phones
- Developed a ROS package for pose estimation using Computer Vision, EPnP, RANSAC, C++, and Kinect

Undergraduate Research ***University of Nevada, Reno*** ***Mar. 2011 - Aug. 2012***

- Formed, implemented, and published a new discrete multi-robot path planning algorithm that allowed multiple robots to move simultaneously towards their desired destinations
- Learned about various motion planning problems and methods under the guidance of Dr. Kostas Bekris

LANGUAGES AND TECHNOLOGIES:

- Proficient: C++, Python, HTML, Linux, OS X, Windows, Adobe Photoshop, and LaTeX
- Novice: Java, Javascript, CSS, Android Programming, Robotics, and Open GLSL
- Exposed to: XML, Eclipse, Open MPI, Clojure, ROS, OpenCV, and Machine Learning

PUBLICATIONS:

- Qandeel Sajid, "Personality-Based Consistent Robot Behavior." In ACM/IEEE International Conference on Human-Robot Interaction (HRI) Pioneers Workshop, March 7th, 2016, Christchurch, New Zealand. (to appear)
- Qandeel Sajid, Ryan Luna, and Kostas E. Bekris. "Multi-Agent Pathfinding with Simultaneous Execution of Single-Agent Primitives." In the Fifth Annual Symposium on Combinatorial Search (SoCS), July 19-21, 2012, Niagara Falls, Canada.
- Athanasios Krontiris, Qandeel Sajid, and Kostas E. Bekris. "Towards Using Discrete Multiagent Pathfinding to Address Continuous Problems." In the Workshops at the Twenty-Sixth AAAI Conference on Artificial Intelligence, July 22–July 23, 2012, Toronto, Canada.

HONORS, AWARDS, AND ACTIVITIES:

- National Physical Science Consortium (NPSC) Fellow, supported by the National Institute of Standards and Technology (NIST), 06/2014-01/2016
- NASA Experimental Program to Stimulate Competitive Research Award, $6000, 12/2011-06/2012
- Nevada NASA Space Grant Consortium Undergraduate Scholarship, $5000, 08/2011-05/2012
- Invited to present at the Fifth Annual Symposium on Combinatorial Search, 2012
- *Women Into Computer Science and Engineering (WICSE)*
  - Vice President of Programming (Fall 2011-Fall 2012), Secretary (Spring 2011)