

Jessica Smith
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Education	B.S. Computer Science Engineering University of Nevada, Reno Reno, Nevada <i>May 2014</i>
Relevant Coursework	Human Robot Interaction, Mobile Sensor Networks, Computer Vision, Autonomous Mobile Robots, Networking, Microprocessors, Linear Algebra, Circuits, Automata, Theory of Computation, Computer Architecture, Analysis of Algorithms, Engineering Communications
Honors and Awards	NSF GK12 UNR E-Fellow for 2014-2015, Millenium Scholar, Nell Redfield Engineering Scholarship Recipient, Differential Tuition Scholarship Recipient, Recipient of five International Baccalaureate Certificates
Relevant Experience	<p>University of Nevada, Reno NSF GK-12 Program Graduate student E-Fellow Reno, Nevada <i>August 2014 - July 2015</i> Responsibilities: Spend at least 10 hours per week in a High School classroom at Reed High School in Reno, Nevada and bring research into the classroom to expose students to engineering concepts. Plan lessons and labs with the classroom teacher to excite students and teach critical thinking skills. Hone public speaking, lesson planning, classroom management, and time management skills.</p> <p>University of Nevada, Reno Department of Agriculture Dale Johnson's Soils Research Lab Reno, Nevada Lead Undergraduate Lab Technician <i>May 2011 - August 2012</i> Responsibilities: Go into the field with the graduate students and collect samples. Label, weigh and process samples to ready them for testing back in the lab. Train other undergraduate students on their respective tasks. Run tests on the soil samples and record results for further processing by graduate students.</p> <p>University of Nevada, Reno Department of Computer Science Senior Project in Computer Science Reno, Nevada <i>September 2013 - May 2014</i> Responsibilities: Assist in the development of a robot platform which will search for and return samples to a home base without the aid of earth-based sensors such as GPS. In charge of global navigation search algorithms and assisting in the mapping process for the robot. Assist in maintaining the Pioneer 3</p>

robot and management of sensor deployment on the robot.

University of Nevada, Reno Department of Computer Science
Research Project for CS491x
Reno, Nevada

January 2014 - May 2014

Responsibilities: Design and implement three robot systems: one to emulate a child, one for an adult and one for a control. Design each robot interface and the manipulators to indicate the age of the robot. Run a study to test these models against each other to see if they were successful.

Other Experience

Internship - Bally Technologies
900 Sandhill Road, Reno, Nevada, 89521

September 2012 - March 2013: Quality Assurance Intern

March 2013 - Current: Central Determination Development Intern

Responsibilities (Quality Assurance): Test the games for correctness. Report the issues to development. Assist other testers with tasks. Read gaming law from jurisdictions from across the world and determine the relevant test cases for the quality assurance test plan.

Responsibilities (Development): Assist developers in their game development. Develop games during the allotted time given by the company schedule. Help manage the build system that is used to build all the games for central determination.

Recitation Leader - Automata & Formal Languages (CS 456)
College of Engineering - Department of Computer Science Engineering
1664 N. Virginia Street, Reno, NV 89557-0171

Spring Semester 2014 (Jan - May)

Responsibilities: Grade homework assignments for the class. Assist in quiz grading. Lead recitation sessions to review for quizzes and exams. Teach lectures when the professor is unavailable to do so.

Undergraduate Researcher
Computer Science Course 791X
Spring Semester 2014 (Jan - May)

Responsibilities: Design and implement a system for testing the manipulation of age in voice of a robot and its impacts of perceptions on the robot's performance of a task. Fill out IRB application for human subject study approval. Run human-robot interaction studies. Analyze the data that resulted from the interaction study and present in conference format.

Differential Fees Committee Graduate Representative
Department of Computer Science and Engineering
Fall 2014 - Spring 2015

Responsibilities: Attend and participate in differential fee meetings throughout the semesters. Give graduate student input to the board and vote on project funding proposals.

Qualifications

Proficient in:

- C++, C
- Assembly
- Bash Scripting
- Python
- Scheme

Familiar with:

- Web programming (HTML, CSS, PHP)
- Java, Javascript

Libraries

- OpenCV
- OpenGL
- OpenStack
- Robot Operating System (ROS)

Community Involvement Mobile Engineering Education Laboratory - Student Worker

January 2011-January 2012

Responsible for going to K-12 classrooms and presenting a science or engineering lecture to the students. The outreach is geared towards getting students excited about engineering and science careers. Responsible for managing a classroom while doing a small science project with students. Graded science fair projects for the Washoe County School District.

Hour of Code - Outreach Volunteer

October 2013 - Current

Responsible for assisting children in K-12 age group to work through lesson modules. Member of the outreach committee in support role.

WiCSE - Outreach Committee Member

January 2014 - May 2014

Responsible for helping to organize and plan the outreach event of the semester. Responsible for reaching out to high schools to foster interest in the event of Junior and Senior-level girls. Also on the committee for finding guest speakers for the event.

Women Who Code

Summer 2014 - Current

Member of the Women Who Code, Reno group. It is a group which promotes women in the community to come together to work on team projects to learn to code.

Reno Gazette Journal - Reno Rebirth Profile 2014

<http://www.rgj.com/story/money/reno-rebirth/2014/09/14/rebirth-profile-jessie-smith/15594389/>

Professional Societies

Association for Computing Machinery (ACM), Women Into Computer Science and Engineering (WICSE)

Review Contact International Journal of Advanced Robotic Systems: 2014
ACM/IEEE International Conference on Human Robot Interaction: 2014

Conference Presentations Nevada State Science Teachers Association Mini STEM Conference
Workshop Leader for a Robotics for Energy Sciences Lab

Total Funding Awarded \$273.00