Alexander Lalejini

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Experience

Social, Therapeutic, and Robotic Systems (STaRS) Lab
Mississippi State University
Fall 2013 - Present

- Project Co-Lead on the Robot Intent Project
    - I worked to develop a system that allows supervisory command and control of a robot platform using a variety of interfaces. I primarily worked with the ROS-Python Integrated Control System and assisted with the implementation and design of the system architecture. This is a funded project through ARL Human Research and Engineering Directorate.

Jet Propulsion Laboratory (JPL)
Pasadena, California
Summer 2012

- Earth Science Software Support
    - I developed and wrote the documentation for a radiometer calibration application using Enthought Python. The application coordinated the automation of multiple calibration instruments via serial communication and provided the user with real-time graphical feedback of the calibration process.

Mississippi State University Physics Department
Mississippi State University
2011 - 2012

- Undergraduate Research Assistant for Dr. Angelle Tanner
    - I wrote various data analysis and image processing scripts primarily using Python's Scipy and Numpy libraries for data collected at the Palomar Observatory.

Naval Research Laboratory (NRL)
John C. Stennis Space Center, Mississippi
Summers of 2011, 2010, 2009

- Computer Clerk (2011)
    - Software development in Java
- SEAP Intern (2010, 2009)
    - Software development in Java and C++

Skills

- Programming proficiency in Python, C/C++, Java, PHP, and HTML
- Proficient in using ROS (Robot Operating System) Python and Enthought Python
- Experience using GIT version control
- Experienced using Windows and Linux systems
- Familiar with Microsoft Office, OpenOffice, and LibreOffice word processing suites

Education

Mississippi State University
Computer Science (3rd Year)
4.0 GPA
Fall 2011 – Present

Expected Graduation Date: May 2015