

# 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++

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## 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

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## Education

Mississippi State University

Computer Science (Senior)

4.0 GPA

Fall 2011 - Present

Expected Graduation Date: May 2015