# ALEXANDER LALEJINI

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## EDUCATION

**Mississippi State University**  *August 2011 - May 2015*
Degree Conferred: May 2015
B.S., Computer Science (*Summa cum Laude*)
GPA: 4.0

## PUBLICATIONS

**A. Lalejini**, D. Duckworth, R. Sween, C. Bethel, D. Carruth; "Evaluation of Supervisory Control Interfaces for Mobile Robot Integration with Tactical Teams," *2014 IEEE Workshop on Advanced Robotics and its Social Impacts (ARSO)*, 11-13 September, 2014.

## RESEARCH EXPERIENCE

**Laboratory for Autonomous Systems Research (LASR)**  May 2014 - July 2014
*Naval Research Laboratory*

· Mentor: Dr. Greg Trafton, Dr. Laura Hiatt
· I worked on using dynamic context produced by a computational cognitive model to improve a neural network based object recognition system.

**Center for Advanced Vehicular Systems (CAVS)**  January 2014 - Present
*Mississippi State University*

· Mentor: Dr. Daniel Carruth, Dr. Cindy Bethel
· I have worked on the ITAR restricted CRES-GV project, which involved writing software to integrate robotic platforms in a vehicle simulation software package.

**Social, Therapeutic, & Robotic Systems (STaRS) Laboratory**  August 2013 - Present
*Mississippi State University*

· Mentor: Dr. Cindy Bethel
· I have worked as the project co-lead on the Robot Intent and Control Project. The project involved developing a system that allows for supervisory command and control of an autonomous robot platform using a variety of interfaces. This system was used in an experiment that measured the relative success of each interface.

## TECHNICAL SKILLS

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| **Computer Languages** | Python, C/C++, Java |
| **Software Tools & Libraries** | Robot Operating System (ROS), Enthought Python, Scipy, Numpy |
| **Version Control** | GIT |
| **Robots** | Kobuki TurtleBot 2, Dr. Robot Jaguar |
| **Web** | PHP, HTML/CSS, SQL |
| **Operating Systems** | Linux, Windows, Mac OS |

## AWARDS AND HONORS

- Graduate of Shackouls Honors College
- Stephen D. Lee Scholar
- Presenter at ARSO 2014
- Bagley College of Engineering Hall of Fame 2015 Inductee
- Meritorious Award in Bagley Undergraduate Research Poster Competition (Poster title: Robot Control)