

# Nathan Smith

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## EDUCATION

### MISSISSIPPI STATE UNIVERSITY

Seeking MS in Computer Science  
Expected May 2017 | Starkville, MS

### MISSISSIPPI STATE UNIVERSITY

BS in Software Engineering  
May 2016 | Starkville, MS  
Cum. GPA: 3.68  
Major GPA: 3.81

## COURSEWORK

### GRADUATE

Advanced Human-Robot Interaction  
Distributed Computing

### UNDERGRADUATE

Human-Robot Interaction  
Human-Computer Interaction  
Software Engineering Senior Project  
(Project Manager)

## SKILLS

### PROGRAMMING

Most familiar:

C • C++ • Python • VB.NET

Used previously:

C# • Java • JavaScript • LaTeX • Lua •  
PHP • SQL

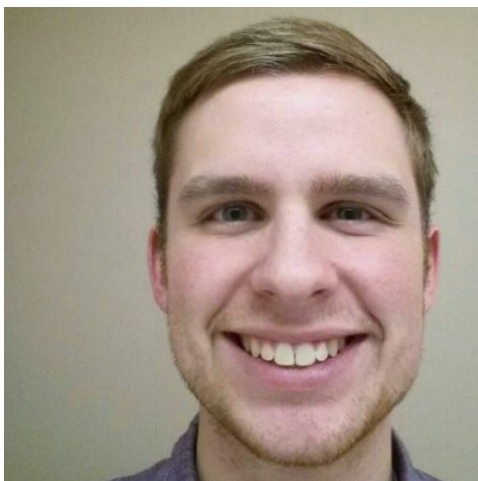
### OTHER

Linux Terminal • Windows Command-Line  
• Git, Mercurial • Adobe Photoshop •  
Desktop assembly/disassembly

## LINKS

Github:// [OfficerHalf](#)

LinkedIn:// [nathan-r-smith](#)



## EXPERIENCE

### BENTLEY SYSTEMS | Software Development Intern

Summer 2015 & 2016 | Huntsville, AL

- Updated Bentley Configuration Explorer (BCE), a legacy VB.NET application, to work with both older and current Bentley products
- BCE parsed configuration files by collecting variables and flagging errors, which can be used to diagnose config bugs
- Added augmented reality functionality to existing Bentley Navigator software
- Created AR functionality for use in construction sites to show work progress and planned structures
- Worked with a distributed team on a cross-platform project in a SCRUM development format
- Worked in a Windows centric environment

### RED HAT | Infrastructure Intern

Summer 2013 & 2014 | Huntsville, AL

- Managed two labs with systems of different architectures. Duties included installing new systems, setting up OSes on new systems, removing old systems, and organizing the labs
- Traced and rewired the office's network phone system
- Wrote a web app to keep track of all systems and their network information. Application increased efficiency by automatically generating network configuration files instead of manually editing large text files
- Worked in a Linux centric environment

## RESEARCH

### STARS LAB | Graduate Research Assistant

Social, Therapeutic, and Robotic Systems Lab

Aug 2016 – Present | Mississippi State University

Currently developing an application that maps points on a car and determines alignment changes of other points when one or more points are misaligned

### STARS LAB | Undergraduate Researcher

Social, Therapeutic, and Robotic Systems Lab

Aug 2012 – May 2016 | Mississippi State University

- Collected data for the Robot Interview project, studying how a robot interviewer might gather more accurate eye-witness testimony than a human interviewer
- Wrote initial movement code for Robot Intent project, which studied how a semi-autonomous robot could inform its operator of its next action

## AWARDS & ACTIVITIES

2013, 2015	President's List	MSU
2012-2016	Dean's List	MSU
2012-2016	Bass Guitar	Crosspoint Church, Starkville MS
2005-2012	Bass Guitar	The Brook, Madison AL