Nathan Smith

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EDUCATION

MISSISSIPPI STATE UNIVERSITY
MS in Computer Science
May 2017 | Starkville, MS
Cum. GPA: 3.89 / 4.0

MISSISSIPPI STATE UNIVERSITY
BS in Software Engineering
May 2016 | Starkville, MS
Cum. GPA: 3.68 / 4.0

COURSEWORK

GRADUATE
Advanced Human-Robot Interaction
Distributed Computing
Visual Data Analysis with R

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

SKILLS

PROGRAMMING
Most familiar:
LaTeX • Python • R

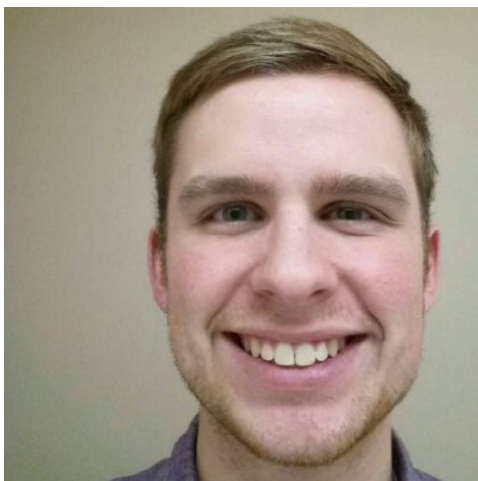Used:
C/C++ • C# • JavaScript • PHP • SQL • VB.NET

OTHER
Linux Terminal • Git • 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 parses 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
- AR functionality created 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
- 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 – May 2017 | 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