Nathan Harrell

EDUCATION

B.S. in Computer Science December 2017
Major GPA: 4.0 / 4.0 | Cumulative GPA: 3.35 / 4.0
Clemson University *Clemson, SC*

SKILLS

- ***Programming Languages (Most → Least Comfortable)***: C , C++, C#, Java, VBA, MATLAB, & ARM
- *Hardware Experience:* Arduino microcircuit programing and circuit design experience
- *Operating systems:* Windows (Vista and 7) and Linux (Command line and Ubuntu)
- *Microsoft Office Products:* Excel, Word, & PowerPoint
- *C.A.D Experience:* SolidWorks Associate Certification

WORK EXPERIENCE

Information Systems Intern *Greenville, SC*
Michelin North America Summer 2016

Developed software for Michelin's Computer-Aided Technologies (CAx) support team. Along with team members, wrote a C# application to significantly improve the onboarding process for new users to Michelin's CAx system. In addition, using VBA and C#, learned how to automate CATIA (CAD software) to facilitate automated testing and wrote many automated tests in C#. Left thoroughly documented code examples that CAx support team could use to write their own automated tests after summer internship had ended.

Lab Teacher Assistant for Computer Science Department *Clemson, SC*
Clemson University Fall 2015 – Spring 2016

Assisted a graduate student in leading and assisting students on short, challenging assignments in CPSC 2101 (Programming Methodologies in C & C++ – Spring 2016) and CPSC 1111 (Elementary Computer Programming in C – Fall 2015). Helped students further develop problem solving skills as well as introduce and develop skills in C and C++. Also, graded lab assignments and held office hours for assistance outside the classroom.

PROJECTS

Augmented Reality Digital Sculpture *Clemson, SC*
Submission to the 2017 3DUI Competition (L.A., California) 2017

Group submission to develop an interaction technique to manipulate objects and particle systems in augmented reality using only smartphones. We've been accepted to compete in March of 2017 in LA and are in the process of getting our paper on the project published. More info about the contest here: http://www.3dui.org/contest

LEADERSHIP EXPERIENCE

Senior Patrol Leader (SPL) - Boy Scouts of America *Greer, SC*
Troop 646 2010 – 2013

Lead meetings and directed scouts on their path to the rank of Eagle Scout as the elected youth leader of BSA Troop 646. In addition, assigned duties to scouts in preparation of outings and events.

Eagle Scout Project *Greenville, SC*
Troop 646 Summer 2011 – Spring 2012

Constructed an Analemmatic Sundial for AJ Whittenburg Elementary School of Engineering in downtown Greenville, SC. Oversaw all stages of planning, fund raising, networking, volunteer recruiting, and labor.

HONORS AND ACTIVITES

President's List Fall 2016
Dean's List Spring 2016
Life Scholarship Fall 2013 – Present
Eagle Scout Spring 2012