3300 Shipley Street Apt 131,
North Charleston, SC 29456

DUSTIN R. HUGHES

(843) 697-8347
drhughes148715@gmail.com

LANGUAGES, OPERATING SYSTEMS AND TECHNOLOGIES

- C/C++; Java; C#; SQL; MySQL; MIPS Assembly;
- Perl; Python; BASH; PowerShell;
- JavaScript; AngularJS; HTML/CSS;
- Windows XP-10; Windows Server; Linux(Ubuntu); Kali Linux; SharePoint;
- Visual Studio; Eclipse; Git; Visual Studio Team Explorer; Microsoft SQL Server Management Studio
- DoD Secret Clearance
- Full-Stack Development

EMPLOYMENT

Software Developer Intern	**Good Done Great**	**August 2015-December 2015**

- Designed, developed and implemented web application solutions for the DonateWell web application using AngularJS, HTML5, CSS, Bootstrap and JavaScript.
- Researched and integrated APIs and plugins like OAUTH 2.0, Google Maps, Facebook API, and ReCaptcha 2.0 to add extra levels of security and enrich the user experience using DonateWell.
- Created algorithms on the front-end side to reduce API endpoint calls and reduce request/response time.
- Used Agile Methodology to maintain productive workflow and prioritize work orders.
- Used Google Chrome Web Development Tools to test for bugs.

Software Developer Intern	**Buchanan and Edwards**	**May 2015 – August 2015**

- Used Visual Studio IDE to write code to an asp.net web application developed for the US State Department using C#, JavaScript, SQL, PowerShell, AngularJS and HTML/CSS.
- Quickly learn new computer languages and technologies (ServiceStack, PowerShell, AngularJS, SharePoint) in order to incorporate their functionality into useful programmed solutions.
- Research, produce and demonstrate working code solutions for problems that were predicted to appear during project development.

Security Officer	**Security Management of South Carolina**	**May 2013 – May 2015**

- Patrolling Charleston Southern University Campus.
- Directing traffic and assisting visitors.
- Monitoring security cameras for suspicious activities.
- Running dispatch and directing patrolling officers with incoming information.

Computer Science Lab Assistant/Tutor	**Charleston Southern Univ.**	**October 2013 – Present**

- Assisting Computer Science professors in teaching 200 level and lower Computer Science classes.
- Tutor students in Visual Basic, C++ and Java programming at an introductory level.

VOLUNTEER WORK

Tutor	**North Charleston Dream Center**	**September 2013 – October 2013**

- Tutor inner-city children in elementary, middle and high school in Math, Science, English and other education courses.
- Maintain a role model figure

Guru/Mentor	**Google**	**November 2013 – December 2013**

- Teaching a Computer Science program developed by Google to students who are underrepresented within the STEM field.

EDUCATION

North Charleston, SC	**Charleston Southern University**	**Spring 2013 - Spring 2016(May)**

- ABET Accredited B.S. in Computer Science

TECHNICAL EXPERIENCE

Projects

- **Aquarium Monitoring System/Web Application** (Summer 2015-Fall 2015) An Aquarium system that uses a Raspberry Pi 2 to collect data from a temperature sensor and stream live video. The Raspberry Pi 2 also hosts a web application developed using MySQL, Express, AngularJS and NodeJS (MEAN Stack) to show live video feed of a user's aquarium and display temperature readings stored in the MySQL database.
- **User Registration Page** (Summer 2015). A full-functioning web page to a State Department web application that requires admin privileges so that the user can add, remove and edit user entries. Designed to maintain the web application's UI scheme.
- **SharePoint/SQL User Query Script** (Summer 2015) A PowerShell script using CSOM that queries both a remote SQL Server database table and a SharePoint 2010 server in order to populate a new table with SharePoint user names and SQL group ID values.
- **Grogger** (Fall 2014) A console playable version of the classic game Frogger written in C++ using the CConsole library.
- **Manufacturing Inventory** (Spring 2015) Creates an inventory and manufacturing system using three input text files.
- **Homework Unzipper** (Spring 2015) A PERL script that creates a batch file that unzips all homework files in a folder into folders named according to command line arguments.