

Education

Louisiana Tech University
B.S. Computer Science
Concentration in Cyber Security,
Cloud Computing & Big Data
GPA of 3.956

Accomplishments

Eagle Scout
Summa Cum Laude
Presidential Scholarship
LA Tech Honors Program
2nd Place FLL LA Overall 2008
3rd Place FLL LA Robot Design 2007

Programming

C#
TSQL / MySQL
PHP
Java
HTML
CSS
JavaScript
C / C++
Powershell
Go
Bash

Technologies

Android
Joomla
Bootstrap
jQuery
HTML5
REST API
MVC
Yii Framework
Microsoft .NET
XAML / WPF
Subversion
TFS / Source Control
Git / GitHub / BitBucket
Microsoft SQL Server
MySQL
XML / JSON
Jenkins CI
ASP.NET
Trello
JIRA

- Experience -

Associate Professional Programmer Analyst at CSRA

(June 2015 – Present)

When first arriving at CSRA's ITC office, I was part of an agile team dedicated to standing up test instances of internal applications and integrating them into a DevOps pipeline for rapid prototyping and deployment within the company. This experience gave me exposure to a variety of technologies and familiarized me with agile development processes.

I moved to a Salesforce development team in early November 2015 where I gained formal training and certification in Salesforce application administration. I have participated in two separate data migration efforts. Both involved pulling data out of legacy applications and loading them into newly developed Salesforce applications. Both were large data sets containing 20,000 to over 100,000 records across several related data objects.

I was the primary developer tasked with data migration for the application development for one of the two data migration efforts. Both of these data migration projects required developing custom tools in C# .NET and MySQL or Microsoft SQL server for data extraction and transformation. This work improved my skill and ability using those technologies, as well as improving my general knowledge of Salesforce.

Research Associate at Louisiana Tech University

(December 2013 – May 2015)

I was one in a team of four paid undergraduate students, Professors, and Ph.D. students tasked with implementing an authentication system for computers. This system was based around a neural network that authenticated users using user-typed keystroke data as part of a research project funded by the US Defense Advanced Research Projects Agency (DARPA).

Initially, I helped integrate Java code provided by our partners on the project, CUNY and NYIT, into our project, which was primarily based on C# and the Microsoft .NET framework. As the project progressed, my role transitioned into the primary database developer for a rapid software testing environment. This work greatly improved my technical ability in both database design and T-SQL scripting and effectiveness in working as part of a team.

My contribution to the team helped enable a web based testing software suite for queuing multiple tests for the neural network and generating accurate reports of the system's performance at a rate an order of magnitude faster than the original testing environment.

Leadership

Senior Patrol Leader of BSA Troop
Crew Leader at Philmont
Co-instructor of junior robotics class
Team Leader in CSC 442 class
President of Upsilon Pi Epsilon
Technical Lead Senior Capstone

View Online



LinkedIn Profile



GitHub Profile



Cygnus Photo Editor



Troop 119 Mulch Site

Independent Android Developer

(June 2012 – Present)

After one year of working on a photo-editing app, I published Cygnus – Photo Editor, and a free, limited version of the app on Google Play in June 2013. Developing this app taught me skills in Java and increased my knowledge of programming for the Android operating system.

In January of 2014, I published an app similar to Geo Caching called Geo Chest. This required implementing an entire REST API service using MySQL, PHP, and the Yii Framework.

As of October of 2015, I have been working part time on an Android application for a small start up company called Who's Hoopin. In this project, I stood a web API server and created an original database design in addition to building the Android application.

Joomla Website Administrator / Developer

(Spring 2011 – Present)

Volunteered as the website administrator for the homeschool organization of over 250 families. This entailed maintaining online registration and updating the website's content as well as routine software updates. I facilitated a migration of all of the data in the database for the website into a new database when the organization decided to upgrade from Joomla 1.5 to 2.5.

I also stood up an original Joomla website for a local walk-in clinic. This entailed gathering requirements of what the website needed to accomplish, researching what Joomla plugins could best meet the requirements, and implementing the solution.

Since then, I have developed two more Joomla websites. One is a custom website designed online portfolio for a graduate Architect from Louisiana Tech University, which required creating a custom Joomla template. I volunteered to develop the second website to manage online purchases of landscaping mulch and pine straw from Boy Scout Troop 119 as part of their fundraising event. This website has helped raise thousands of dollars to further camping and other events for the troop. I am still actively maintaining both of these sites.

Member of the Boy Scouts of America

(Spring 2004 – Summer 2011)

During the 8 years I spent in Boy Scouts, I earned 51 merit badges, spent 153 nights camping, had 14 leadership positions for a total of 7 years, and had 53 services hours. I also attended all three high adventure bases – Philmont, Northern Tier, and Seabase.

Intern at Resource Bank HR and Banking Technology Departments

(July 2012 – August 2012)

Worked full time in an office environment. Provided clerical services in the HR department for two weeks and then worked in the Banking Technology department digitally archiving physical documents into the bank's database.

Cashier at Raising Cane's

(June 2010 – August 2011)

As my first job, I learned dependability, customer service, and working long, fast-paced hours. During my employment I received a favorable annual review and a raise.