

EDUCATION

Clemson, SC	Clemson University	Fall 2015 – Spring 2017
<ul style="list-style-type: none"> M.S. in Computer Science; CGPA: 3.50. B.S. in Computer Science; CGPA: 3.25. Dean's List – Spring 2013, Fall 2014. 		

EMPLOYMENT

Clemson University, SC	Web Designer and Developer	April 2015 – Present
<ul style="list-style-type: none"> Design and produce graphics and interactive multimedia components for e-publishing in collaboration with team members based on project specifications. Worked on wide range of HTML email templates that were responsive and modular. Worked on numerous campaigns like flipping book, iBook, microsites, 3-D printing, WordPress sites and plugins using both front end and back end technologies. Developed airplane request application in collaboration with team using PHP, HTML, CSS and JavaScript. Maintain and resolve any issues rising from different student affairs web pages like social media integration. Supervise and mentor various web interns, developing student learning outcomes and measuring success. Maintain and deploy a web app – job tracking and invoice billing app designed in python and Django. 		

Clemson University, SC	Web Developer, Student Affairs Publications	May 2014 – Jan 2015
<ul style="list-style-type: none"> Lead developer for student affairs website – cross-browser responsive HTML design using CSS, JavaScript and Bootstrap which included a dynamic calendar feed from University calendar. Implemented new website template within Cascade Content Management System and developed folder structure for implementation across division departments. 		

Itron, Inc., SC	Product Development Co-op	May 2013- May 2014
<ul style="list-style-type: none"> Integrated and tested GE meters with Itron Communication Modules. Investigated behavior of gas modules sending data to the meter and then reading data from the Itron network. Analyzed ZigBee Smart Energy Profile (SEP) 1X packets for accurate communication with meters about energy usage. Researched TI CC2530 System-On-Chip IC and Z-stack to develop a low cost ZigBee SEP 1.X HAN device. Designed and executed manual unit test plans for new metering hardware platforms and ZigBee devices. Added functionality into C#.NET software to support Unicode character set and inclined block pricing. 		

ACADEMIC PROJECTS

<ul style="list-style-type: none"> Freelance Developer: www.upstateheatandair.com, personal portfolio, etc. Creative Inquiry (Spring 2013): Setup and developed LED memory game for children using Arduino. Web App (Spring 2013): Developed a JavaScript web application that illustrated the process of photosynthesis. Android Application Project (Fall 2012): Developed <i>Class Scheduler</i> Android application using Java and Eclipse. Distributed Computing (Spring 2013): Gained experience in parallel programming – Hadoop, Map Reduce, MPI. C++ Game Design (Fall 2015): Developed a 2-D game engine using Simple Direct Media Layer and Standard Template Library. Implemented Object Oriented design patterns like MVC, Singleton, Flyweight, Observer, Factory method. MeTube Web App (Spring 2016): Designed and developed a web application similar to YouTube. Human Computer Interaction (Summer 2016): Designed a working fitness mobile application prototype. Data Science (Fall 2016): Worked on several data sets to extract knowledge using R and R-Studio. Analyzed World Development indicators dataset to answer several questions. 		
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LANGUAGES AND TECHNOLOGIES

<ul style="list-style-type: none"> Programming – C; C++; Python; R; AIDL; MPI; Open MP; Ocaml; Flex and Bison; Prolog. Web – HTML; CSS; JavaScript; JQuery; PHP; n-ginx; MySQL; Unicorn; Google Analytics; WordPress; Cascade CMS. Design- Adobe Creative Cloud Suite – InDesign, Photoshop, Illustrator, DPS. Software – Office; Eclipse; Visual Studio; Hadoop; Git; R-Studio; Titanium Studio. 		
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