

Robert Currall

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<http://www.currall.net>

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Experience	University of South Carolina Beaufort	Beaufort, SC
	Research Assistant	December 2017 - Present
	Working in conjunction with MUSC to develop and test MATLAB software that can identify neurons in brain scans through image processing.	
	Geek Squad	Bluffton, SC
	Consultation Agent	May 2017 - Present
	Engage clients to identify and resolve various computer issues in a timely and efficient manner.	
	University of South Carolina Beaufort	Beaufort, SC
	Computational Science Tutor	August 2017 - Present
	Provide assistance to students to understand complex concepts and various course work.	
	Association for Computing Machinery	Beaufort, SC
	Chapter Chairman	May 2017 - Present
	Manage and provide leadership to the USCB ACM chapter, as well as organize various club events throughout the year.	
Education	Coastal Carolina University	Conway, SC
	Courses in Applied Mathematics Transferred	
	University of South Carolina Beaufort	Bluffton, SC
	Bachelor of Science in Computational Science	
	Expected December 2018	
Skills	Languages: C, C++, Tcl/Tk, Java, MATLAB, JavaScript, HTML, CSS, XML	
	Frameworks: Visual Tool Kit (VTK), MongoDB, Express, AngularJS, NodeJS, JQuery	
	Software: Visual Studio, Microsoft SQL Server, MySQL, Eclipse, NetBeans, Aptana, Heroku, LaTeX, Git	
Awards	STEM Scholarship	August 2017 - Present
	Eagle Scout Award	February 2011
	USCB Presidents List	Fall 2016 - Fall 2017
	1 st CSCI 321 Application Design	April 2017
	2 nd CSCI 104 Website Design	November 2016
	3 rd CSCI 145 Video Game Design	November 2016

Projects

Visualize Vectors on a Beam

November 2017

- Using the Visual Tool Kit and the Tcl/Tk programming language to Visualize the stress on a beam.
- Source code: <https://github.com/rlcurrall/DataVisualization>

Vehicle Inventory API

November 2017

- A small API of MATLAB functions used to calculate the ideal time for a car dealership to restock and the maximum inventory the dealership should have based on the inputted DAT file.
- Source code: https://github.com/rlcurrall/CSCI_450_Inventory_API

Node Chat Application

June 2017

- Chat application utilizing NodeJS as the backend for managing chat rooms and users.
- Source code: https://github.com/rlcurrall/Chat_App;
- Hosted at: <http://chat.currall.net>

Seeds of the New World

November 2016 - May 2017

- Strategy-oriented video game featuring the Spanish settlement of Santa Elena. Currently on display in the interactive area of the Santa Elena History Center. Programmed using Java and the Greenfoot IDE.
- Source code: https://github.com/rlcurrall/Seeds_of_the_New_World

Scroll Lock

April 2017 - May 2017

- A Dungeons and Dragons Game and Character management application, built using PHP, MySQL, HTML, and JavaScript.
- Source code: https://github.com/rlcurrall/CSCI_321_Database