Andrew Capshaw

capshaw.me capshaw@rice.edu

Education

Rice University Fall 2010 - Present
Bachelor of Science in Computer Science
(expected graduation in May 2014)
GPA: 3.33

Relevant Coursework

Current: Design and Analysis of Algorithms · Advanced Object-Oriented Design

Past: Compiler Construction · Advanced Object-Oriented Programming · Evolutionary Bioinformatics · Introduction to Parallel Programming · Introduction to Computer Systems · Introduction to Game Theory · Introduction to Program Design

Technical Qualifications

Languages: Python · Java · Javascript (+JQuery) · PHP · MySQL

Workspace: Primary experience OSX and Ubuntu · Source control with Git and SVN

Work Experience

Alice & Love, aliceandlove.com Software Developer
Houston, TX Summer 2012
Worked with the Owl Den team to conceive, design, and build Alice & Love, an online fashion marketplace; helped to implement the transaction and infinite-scroll infrastructure; took on leading role for front-end development.

Rice Department of Institutional Research Analyst Assistant
Houston, TX Spring 2012
Assisted the Institutional Research department with student data, including verification and presentation of the data to the Rice community; helped to update public site including cleaning, verifying and publishing common data set documents online; worked on automating some verification tasks.

Rice Faculty Senate Intern
Houston, TX Fall 2011
Compiled a database of faculty committee work at Rice University; analyzed the data for gender, school, and departmental balance within the senate; formulated graphics to report the data back to the senate.

Independent Projects

Source and demos for these projects can be found at http://github.com/capshaw

Rice Elections January 2013
Collaborating with peers to build an application to hold secure automated elections for organizations at Rice. Built using Google App Engine and Python.

General Cluster December 2012
A iterative clustering program that allows a user to import 2D data, display it, and cluster it into k groups. Built in Java.

Maze Factory September 2012
Built A HTML5 web application that paints a maze to a canvas using a depth-first search. Written in Javascript, utilizing JQuery.

Degree Planner March 2012
A proof-of-concept application made at the inaugural Spring 2012 Rice Hackathon. The driving motivation of the application was to create a simple drag and drop interface that would allow users to map out their time at Rice.

Awards & Achievements

Best User Interface *Rice Hackathon 2012* · Valedictorian *Austin High School 2010*