SydneyRichardson(){

education()

UNIVERSITY OF FLORIDA
B.S. Digital Arts and Sciences | College of Engineering
Expected Graduation May 2015
3.55 GPA

contact()

email = sydneyrichardson3@gmail.com
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github = github.com/ssyyddnneeyy

workExperience()

Intern Software Development Engineer at Amazon.com | *May 2014 - August 2014*
Transaction Risk Management Systems
- Migrated two API's to a new service, which gets called for every order made at Amazon, over 1 million times per day
- Wrote Design Documents, unit and integration tests, integrated Amazon's tools to allow scalability and protection against unwarranted requests, gradually migrated traffic to the new service in "audit mode" to ensure a seamless transition

Teaching Assistant for Introduction to Digital Arts and Sciences | *Fall 2013, Fall 2014*
- Assisted students with understanding complex algorithms and concepts to model and interact with fractals, cellular automata, and natural phenomena. Graded homework and quizzes.

Training Specialist with e-Learning Support Services | *July 2013 - January 2014*
- Created video tutorials for UF's internal faculty-student communication system so faculty may effectively communicate and provide resources for students. Videos may be found at http://training.it.ufl.edu/tutorials/

projects()

Java: The Board Game | Term project for Object Oriented Programming | *Spring 2014*
- Implemented and designed front-end interaction of board game and mini game, implemented backend logic for mini game
- Collaborated with 9 other team members utilizing Object Oriented Programming principles to create Design Documents, UML Diagrams, Use Cases

Lecture Loot | Term Project for Software Engineering | *Spring 2014*
- Application to entice students into going to class by earning and wagering points
- Implemented and designed front-end interaction of Android and iOS application, implemented backend logic for iOS application
- Collaborated with 7 other team members using Agile methodologies to produce design documents, sprint planning documents, and end-of-sprint presentations

Airline System Database | Final project for Information and Database Systems course | *Fall 2013*
- Designed MySQL database schema for booking and managing a flight, designed and implemented the front-end interaction to query and post to the database

extracurricular()

Research Volunteer with Dr. Lisa Anthony | *Spring 2014, Fall 2014*
- Exploring the difference in how children and adults interact with gestural and touch screen interfaces
- Conducted pilot user studies, tested development documentation

Amazon Global Intern Hackathon | *June 2014*
- Researched computer vision and machine learning concepts to create a program which compares two images to see if anything was added, removed, or changed. Worked with 4 other team members to solve the different complexity levels of the challenge
- Implemented edge finding techniques with OpenCV and python

Redesigned Website for Digital Arts and Sciences major | *Fall 2013*
- Personal project to help others understand what the major entails
- Researched users and similar majors to tailor content and answer frequent questions about the major, http://www.cise.ufl.edu/academics/undergrad/das/

Society of Women Engineers | National Member | *Fall 2011 - Present*

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