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Robert H. Steilberg II

EDUCATION

Duke University, Durham, NC — Expected May 2018
Bachelor of Science, Computer Science • Minor, Statistical Science — Dean's List with Distinction • GPA: 3.81 / 4.0
Douglas S. Freeman High School, Richmond, VA — June 2014
Center for Leadership, Government, and Global Economics — GPA: 4.0 / 4.0

TECHNICAL SKILLS

Languages: Java, Python, C, C++, Ruby, HTML5, CSS3, JavaScript/jQuery, XML, SQL, R, Stata, Racket (Lisp), MIPS
Frameworks: JavaFX, Play, Rails, RSpec, Git, Heroku, WordPress, Drupal, LaTeX, VMware, ArcGIS, Ubuntu, Photoshop
Skills: Agile development, test-driven development, web development and hosting, technical and IT support, Spanish

WORK EXPERIENCE

Department of Computer Science, Duke University, Durham, NC — Jan 2017 – present
- Working as a teaching assistant for Software Design & Implementation (CompSci 308) and Web Development (CompSci 290) under Prof. Robert C. Duvall

inspectX, Durham, NC — Oct 2016 – present
- Serving as a full-stack web developer for a startup platform built with Ruby on Rails that connects prospective car owners with local mechanics to provide economical, onsite pre-purchase inspections, inspect-x.com
  - Resolved existing back end issues with authentication, form submission, payment, and database management
  - Updated the front end of the inspectX platform with HTML5, CSS3, and JavaScript/jQuery
- Developing plans for bringing inspectX to the iOS and Android platforms

Centro Integral de Equinoterapia, Guayaquil, Ecuador — June 2016 – Aug 2016
- Built a dynamic website to increase the center's outreach and public relations exposure, ciequinoterapia.com
  - Optimized the website for mobile devices with HTML5 and CSS3
  - Implemented homepage visual effects with JavaScript/jQuery
- Researched the efficacy of animal therapy applications to special needs treatment

Duke University Medical Education IT, Durham, NC — Oct 2015 – present
- Provided hardware and software technical support to medical school faculty and students
- Redesigned a website used for informational purposes, asset deployment, and ticket service requests

Duke-UNC Brain Imaging and Analysis Center, Durham, NC — Aug 2014 – May 2015
- Analyzed fMRI and survey data to research PTSD and TBI incidence in patients of the Durham VA Medical Center
- Interviewed veterans regarding their experiences with traumatic episodes and PTSD

PROJECT EXPERIENCE

Pokémon Duke Blue
- A role-playing videogame built with JavaFX and based off of the Pokémon videogame series
- Features a navigable world, interactive non-player characters, turn-style Pokémon battles, cheat codes, and sound effects

Rails Blogger
- A simple blogging application built with the Ruby on Rails framework
- Features creating, commenting, editing, and deleting articles, along with user authentication and management

VOOGA (Video Object-Oriented Gaming Architecture)
- A game authoring engine specialized for building 2D role-playing games such as Pokémon, Zelda, or Dragon Quest
- Features customizable block-based game building, integrated testing, and game file I/O; built with Java and JavaFX

LEADERSHIP EXPERIENCE

Duke International Relations Association, Durham, NC — Feb 2014 – present
- Organized Duke University's 2017 high school Model United Nations competition, DUMUNC, serving as the conference's Under-Secretary-General and managing a staff of approximately 100 people

ACTIVITIES AND SOCIETIES

Duke Association for Computing Machinery
HackDuke
DukeMakers
- A hardware-centric makers club focused on developing a project for submission to the 2017 World Makers Faire