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Robert Steilberg

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EDUCATION

Duke University, Durham, NC .... May 2018
Bachelor of Science, Computer Science • Minor, Statistical Science .... Dean's List with Distinction • GPA: 3.7 / 4.0

TECHNICAL SKILLS

Languages: Java, JavaScript, HTML, CSS/SASS, Python, Ruby, Swift, C, C++, R, Stata, SQL, Racket (Lisp), MIPS

Frameworks: Ember.js, Ruby on Rails, JavaFX, jQuery, Play, iOS, Android, Linux, Git, Heroku, WordPress, Drupal, LaTeX, Photoshop

Skills: Web development and hosting, agile development, technical and IT support, test-driven development, Spanish

WORK EXPERIENCE

Esri R&D Center, Washington, D.C. .... **Software Development Intern**, May 2017 – Aug 2017
- Developed features for ArcGIS Hub, an Ember application that provides a platform for connecting government and citizens through open data
- Prototyped an application for templating ArcGIS Online mapping applications to render them compatible with any dataset hosted by Esri

Department of Computer Science, Duke University, Durham, NC .... **Teaching Assistant**, Jan 2017 – present
- Taught Software Design & Implementation (CompSci 308) and Web Development (CompSci 290) under Prof. Robert C. Duvall, and Operating Systems (CompSci 310) under Prof. Landon P. Cox
- Assisted the professor in designing the pilot curriculum for CompSci 290, which ultimately focused on JavaScript and Rails

inspectX, Durham, NC .... **Software Developer**, Oct 2016 – Feb 2017
- Served as a full-stack web developer for a startup platform built with Rails that connects prospective car owners with local mechanics to provide economical, onsite pre-purchase inspections
- Resolved existing back end issues with authentication, form submission, payment, and database management

Centro Integral de Equinoterapia, Guayaquil, Ecuador .... **Research Volunteer**, June 2016 – Aug 2016
- Built a static, mobile-optimized website to increase the center's community outreach and public exposure
  - Created with Drupal and heavily customized with HTML, CSS, and JavaScript/jQuery
- Researched the efficacy of animal therapy applications to special needs treatment

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

Duke-UNC Brain Imaging and Analysis Center, Durham, NC .... **Work-Study Researcher**, 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

ArcGIS Hub .... May 2017 – Aug 2017
- An Ember application built on the ArcGIS Online API with a development team of approximately 20 engineers

Hubattoir / Initiative Editor .... July 2017 – Aug 2017
- A prototype application built with Ember on the ArcGIS Online API to support ArcGIS Hub

Pokémon Duke Blue .... Sept 2016
- 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

VOOGA (Video Object-Oriented Gaming Architecture) .... Nov 2016 – Dec 2016
- 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 game testing, and game file I/O; built with Java and JavaFX

LEADERSHIP EXPERIENCE

Duke International Relations Association, Durham, NC .... Feb 2014 – present
- Directing Duke's 2018 international high school Model United Nations competition, DUMUNC XXXVI, serving as the conference director (Secretary-General) and managing a staff of approximately 100 people

ACTIVITIES AND SOCIETIES

- Member, Duke Association for Computing Machinery
- Judge, HackDuke