

## EDUCATION

**Duke University**, Durham, NC

Bachelor of Science, Computer Science  
Minor, Statistical Science

Expected May 2018  
Dean's List with Distinction • GPA: 3.825 / 4.0

**Douglas S. Freeman High School**, Richmond, VA

Center for Leadership, Government, and Global Economics

June 2014  
GPA: 4.0 / 4.0

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## 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

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## WORK EXPERIENCE

**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
  - Resolving existing back end issues with authentication, form submission, payment, and database management
  - Updating 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

**HoneyBaked Ham Co.**, Richmond, VA

June 2014 – present

- Coordinated a foodservice team of 10 to provide efficient service to café customers
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## 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

**Logo IDE**

- An IDE for the Logo programming language built with Java that interprets Logo commands for controlling a sprite
  - Features commands for variable manipulation, flow control, and math operations, in addition to robust error checking
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## LEADERSHIP EXPERIENCE

**Duke International Relations Association**, Durham, NC

Feb 2014 – present

- Tasked with organizing 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
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## 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