Natalie D. Kerby

Boulder, Colorado

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**WORK EXPERIENCE**

**SendGrid**, Boulder, CO

Quality Engineer, June 2014 – Present

* + - Pair-program with developers on stories and debugging.
    - Develop UI automation to test the list/segmentation features of SendGrid’s new Newsletter application using Ruby rspec and capybara.
    - Own the deployments of the golang side of the product.

**NetApp**, Raleigh, NC

Automation Engineer, June 2013 – June 2014

* + - Developed a critical automation test framework that installed our server-side caching solution, initialized system logging, started io, then executed testcases.
    - Developed essential perl libraries that interacted directly with the server-side caching solution.
    - Learned and used Perl and Microsoft PowerShell to create automation programs.
    - Worked in an energetic, global team in an agile environment.
    - Excellent communication and problem solving skills.

**PROJECTS**

**RoommateRent**, July 2014 – Present

* Golang web application to keep track of monthly expenses that roommates can conveniently access.

**BoulderSplash**, June 2014

* Developed the web interface for an ardurino that detects when a dishwasher is running at SendGrid’s first annual hackathon.

**Project Euler**, September 2013 – Present

**RESEARCH EXPERIENCE**

**Engage Research**, Raleigh, NC

Undergraduate Research Assistant, August 2012 – May 2013

* + - Funded by the National Science Foundation.
    - Creating an educational computer game to introduce computer science principles to middle school students

**JavaTutor Research**, Raleigh, NC

Undergraduate Research Assistant, August 2011 – May 2012

* + - Funded by the National Science Foundation.
    - Collaborated on code to recognize different postures and gestures of the students while they learned Java.

**PUBLICATIONS**

**Repairing Disengagement in Collaborative Dialogue for Game-Based Learning**, June 2013

Proceedings of the 16th International Conference on Artificial Intelligence in Education, Memphis, Tennessee.

Fernando J. Rodríguez, Natalie D. Kerby, and Kristy Elizabeth Boyer.

**EDUCATION**

**North Carolina State University**, Raleigh, NC

August 2009 – May 2013

* + - Bachelor of Science, *cum laude*
    - Major – Computer Science | Minor – Graphic Communications

**AWARDS**

**SendGrid Hackathon**

* Participated on a team and won the SendGrid’s first internal hackathon.

**Bitzer Creativity Award**

* + - Presented from the Computer Science Department for my photography (only two awarded each year).

**SKILLS**

**Computer Languages:**

* *Proficient* – Perl, Microsoft PowerShell, Java.
* *Familiar –* Ruby, Golang, C, HTML, XML, CSS, JavaScript.

**Environments:**

* *Proficient* –Windows, Linux, Mac OSX, GitHub, P4.

**Automation Frameworks and Tools:**

* *Proficient* –Junit, Sikuli, Jmeter.

**INTERESTS**

* Camping, Cycling, Hiking, Photography, Woodturning, Skiing, Sailing.