Natalie D. Kerby

Raleigh, North Carolina
919.522.5660 | ndkerby@gmail.com

SKILLS

Computer Languages: *Proficient* - Perl, Microsoft PowerShell
Familiar – Java, C, UNIX, HTML, XML, CSS
Development Methodologies: Agile, Scrum, Waterfall

PROJECTS

Project Euler   9/13 – Present
- Solve problems in Perl to continue expanding my knowledge, hosted on GitHub to familiarize myself with git.

WORK EXPERIENCE

NetApp, Raleigh, NC   6/13 – 3/14
Flash Accel Automation QA Engineer
- Created multiple perl libraries for use in Windows automation.
- Created a positive/negative testing suite for PowerShell cmdlets.
- Created an automation test framework that would run inline with NetApp testing framework to initialize the operating system, operationalize logging, io, and various other components, and executed testcases.

NetApp, Raleigh, NC   5/12 – 12/12
Engineering Intern
- Created an automated sanity test program to run on nightly builds.
- Learned and used Perl and Microsoft PowerShell to create automation programs.
- Worked in an energetic, global team in an agile environment.

RESEARCH EXPERIENCE

Engage Research, Raleigh, NC   8/12 – 5/13
Undergraduate Research Assistant
- Funded by the National Science Foundation.
- Creating an educational computer game to introduce computer science principles to middle school students.
- Brainstorm and created levels within a team of graduate students.

JavaTutor Research, Raleigh, NC   8/11 – 5/12
Undergraduate Research Assistant
- Funded by the National Science Foundation.
- Monitored tutoring session to ensure that we are acquiring data from the GSR sensor, 360 Kinect, and internal computer camera.
- Collaborated on code to recognize different postures and gestures of the students in the Kinect recordings.

PUBLICATIONS

Repairing Disengagement in Collaborative Dialogue for Game-Based Learning   6/13
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   5/13
Bachelor of Science, *cum laude*
Major – Computer Science | Minor – Graphic Communications

AWARDS

Dean's List, Four Semesters
Bitzer Creativity Award
- Presented from the Computer Science Department for my photography (only two awarded each year.)

INTERESTS

Sailing, Camping, Hiking, Photography, Woodturning, Skiing