Natalie D. Kerby

Raleigh, North Carolina
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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
- Open to the public project where I program problems in Perl to continue expanding my knowledge.

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.

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 the automation program.
- Worked in an energetic team across multiple corporate locations.

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   May 2013
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