Kathleen D. Moore

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EDUCATION

College of William & Mary, Williamsburg, Virginia USA

Ph.D. Candidate, Computer Science, September 2011 - present
(expected graduation date: May 2016)
      Concentration: computer graphics
      Advisor: Pieter Peers

M.S., Computer Science, May 2011

College of the Holy Cross, Worcester, Massachusetts USA

B.A., Computer Science; minor in Philosophy, May 2009

HONORS AND AWARDS

- Virginia Space Grant Consortium Graduate STEM Research Fellowship, 2013-2014
- Virginia Space Grant Consortium Graduate STEM Research Fellowship, 2012-2013
- William & Mary Award for Excellence in the Natural & Computational Sciences, 2012

ACADEMIC EXPERIENCE

College of William & Mary, Williamsburg, Virginia USA

Research Assistant   **May, 2011 - present**
Investigating photo-realistic appearance editing and transfer of materials in photographs. Performed research on multispectral approaches for data acquisition from real-world scenes, including the effect of using ultraviolet light in geometry acquisition of translucent objects.

Head Teaching Assistant   **September, 2010 - May, 2011**
In addition to classroom duties, acted as communications liaison between administration and teaching assistants, fielded questions from teaching assistants, and facilitated student evaluations of assistants.

Teaching Assistant   **August, 2009 - May, 2011**
Taught introductory Computer Science laboratories for majors and non-majors, graded assignments and projects for upper-level courses, and held office hours for these courses.

College of the Holy Cross, Worcester, Massachusetts USA

Research Assistant   **May, 2008 - May, 2009**
Tailored and tested a computational model for use in modeling biological vision, specializing in moving observers' detection of moving objects. Conducted psychophysical experiments, comparing results with those from previous research in computational vision.

Teaching Assistant   **September, 2007 - May, 2009**
Assisted students in introductory Computer Science classes during required laboratories and graded assignments and projects for these introductory courses.

PUBLICATIONS

Dong, B., **Moore, K.D.**, Zhang, W. and Peers, P. "Scattering Parameters and Surface Normals from Homogeneous Translucent Materials using Photometric Stereo," *IEEE International Conference on Computer Vision and Pattern Recognition*, June 2014.

Moore, K.D. and Peers, P. "An Empirical Study on the Effects of Translucency on Photometric Stereo," *Visual Computer*, Volume 29, Issue 6-8, pages 817-824, June 2013.

Royden, C.S. and **Moore, K.D.** "Use of speed cues in the detection of moving objects by moving observers." *Vision Research*, Volume 59, pages 17-24, March 2012.

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<tr><td>ABSTRACTS</td><td>

Moore, K.D. and Royden, C.S. 2009. Use of speed differences for detection of moving objects by moving observers. [Abstract]. Journal of Vision, 9(8):628, 628a, doi:10.1167/9.8.628.

http://journalofvision.org/9/8/628/
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PROFESSIONAL EXPERIENCE	
NetApp, Waltham, Massachusetts USA	
Intern, SANscreen Group	**June, 2010 - August, 2010**

Completed Java scripting to automate testing of SANscreen software and participated in Quality Assurance strategic planning for further improving testing automation.

Rhode Island Airport Corporation, Warwick, Rhode Island USA

Intern   **September, 2007 - December, 2007**

Updated the database of statewide aircraft registrations and shadowed the state aeronautics inspector, learning the technical and administrative tasks relevant to airport management.

VOLUNTEER WORK
- College of William & Mary Planning Steering Committee, Fall 2014
- Vice President, William & Mary Graduate Council, 2014-2015
- Parliamentarian, William & Mary Graduate Student Association, 2013-2015
- Treasurer, William & Mary Computer Science Graduate Student Association, 2012-2013
- Student "Hopper" Volunteer, Grace Hopper Celebration of Women in Computing, 2011

COMPUTER SKILLS
- Languages: C/C++, Python, Bash, LaTeX
- Applications: GIMP, HDR Shop, Microsoft Office, Rational Functional Tester
- Operating Systems: Unix/Linux, Windows, Mac.