

KATHERINE PAIGE POLSTON

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EDUCATION

North Carolina State University at Raleigh

Ph.D. Textile Technology Management Anticipated December 2014
Dissertation: *Self- and peer-assessment of product creativity in a collaborative environment: A research study with undergraduate textile and apparel design students*
Advisors: Dr. Lisa Parrillo-Chapman and Dr. Marguerite Moore

Certificate of Achievement in Teaching April 2014

M.S. Textile and Apparel, Technology and Management August 2011
Thesis: *Capabilities and Limitations of Print-on-Demand Inkjet Digital Textile Printing and the American Craft Niche Market*
Advisor: Dr. Lisa Parrillo-Chapman

Graduate Certificate: Consumer Textile Product Design and Development August 2011

The University of Texas at Austin

B.S. Textiles and Apparel: Apparel Design Concentration December 2006
Business Foundations Certification: McCombs School of Business December 2006

Semester Abroad: Sydney University Fall 2004

Additional Training

Letra Modaris Training, Raleigh, NC August 2011
Lectra Kaledo Print, Knit and Weave Training, New York, NY March 2010
Nordstrom Management Training “Advance”, Austin, TX October 2007
Collection Design & Construction 2, 40 hours, Austin, TX Summer 2005
Collection Design & Construction 1, 40 hours, Austin, TX Summer 2004

ACADEMIC & INDUSTRY EXPERIENCE

Teaching Experience

Instructor August 2014-Present
Kansas State University, College of Human Ecology, Manhattan, KS
Apparel Design Instructor
Led flat-pattern drafting and apparel pre-production undergraduate studios
Topics covered technical design, production processes, time management and team-work
Instructed students in use of Optitex PDS and MRK
Collaborated with major sports uniform company for class project

Textile Design Instructor

June 2014-July 2014

North Carolina State University, College of Textiles, Raleigh, NC
Summer Textile Exploration Program (STEP)

- Led a four-day textile design project for high school students
- Topics covered motif development, repeat structures and texture mapping
- Introduced color control and management process for inkjet digital textile printing
- Instructed students in use of Lectra Kaledo Print and Adobe Photoshop

Graduate Research Assistant

June 2014-July 2014

- North Carolina State University, College of Textiles, Raleigh, NC
- Special topics course focusing on sustainability in global cotton supply chain
- Worked under a collaborative team of three instructors to develop PowerPoint presentations covering sustainability and cotton in agriculture, fibers and yarns, fabric formation, dyeing and finishing, and branding

Teaching Assistant

August 2011-May 2014

North Carolina State University, College of Textiles, Raleigh, NC
First Year Fashion and Textile Design Foundations Studio

- Assisted two co-instructors (August 2011-May 2013) and one co-instructor (August-December 2014) in a two semester foundational textile and apparel design studio
- Trained new co-instructor in course materials and processes (January-May 2014)
- Topics included garment construction, surface design, computer aided print design, inkjet digital textile printing, time management, and designing for target markets
- Aided in organizing and chaperoning yearly four-day class trip to New York City for inspiration, market research and industry contacts (April 2011 and 2012)

Textile Design Instructor

July 2011

North Carolina State University, College of Textiles, Raleigh, NC
Summer Textile Exploration Program (STEP)

- Substitute taught a four-day textile design project for high school students
- Topics covered motif development, repeat structures and texture mapping
- Introduced color control and management process for inkjet digital textile printing
- Instructed students in use of Lectra Kaledo Print and Adobe Photoshop

Graduate Level Research

Research Assistant

August 2009-August 2011

North Carolina State University, College of Textiles, Raleigh, NC
Digital Design Lab, under direction of Dr. Lisa Parrillo-Chapman

- Researched capabilities and limitations of inkjet digital textile printing, resulting in two internal research projects
- Collaborated with second research assistant and advisor on an external product development research project, partnered with a vertically integrated textile design company
- Performed regular cleaning, maintenance and color management processes on Mimaki TX1600S, Mutoh MC2 and Mutoh MC3 inkjet digital textile printers

INDUSTRY EXPERIENCE

Dyeing & Finishing Research

Specialty Finishes Intern

September 2012-August 2013

Cotton Incorporated, Cary, NC

Dyeing and Finishing Applications Lab

Shadowed and assisted head of Specialty Finishes

Trained supervisor on use and maintenance of direct-to-garment Brother pigment and Mimaki reactive inkjet digital textile printers

Performed cleaning and maintenance of direct-to-garment Brother pigment and Mimaki reactive inkjet digital textile printers

Assisted supervisor and led product development intern teams in use of Adobe Photoshop, digital inkjet printers, surface design processes, and chemical and physical textile finishes

Digital Printing Internship

July 2012-August 2012

Cotton Incorporated, Cary, NC

Dyeing and Finishing Applications Lab

Shadowed and assisted head of Digital Printing Laboratory

Assisted in cleaning and maintenance of direct-to-garment Brother pigment and Mimaki reactive inkjet digital textile printers

Observed and assisted with external product development research projects

Assisted in product design and development using Adobe Photoshop, digital inkjet printers, and screen printing

Digital Printing Internship

February-July 2009

Spoonflower, Incorporated, Mebane and Durham, NC

Shadowed and assisted head printer in set-up of Mutoh MC3 nano-pigment printers, set-up and printing of customers' files, and processing finished product for shipment

Performed routine cleaning and minor maintenance on Mutoh MC3 nano-pigment printers

Co-ran and maintained several (4-8) Mutoh MC3 nano-pigment printers with second print operator

Provided customer service and assisted customers regarding technical and artistic issues with digital file set-up, color management and website navigation

ADMINISTRATION & CUSTOMER SERVICE

Alterations Shop Administrator

August 2008-July 2009

Nordstrom, Austin, TX

Oversaw organization and quality control of alterations

Performed minor alterations when needed

Assisted customers and salespeople inquiring about alteration details, providing excellent customer service

RETAIL & VISUAL MERCHANDISING

Salesperson

Nordstrom, Austin, TX

March 2007 - August 2008

Point of View Department (Misses)

Assisted customers in selecting merchandise and styled outfits

Kept customers informed and up-to-date on shipped purchases, alterations, sales and new merchandise, while maintaining Nordstrom brand reputation

Dressed mannequins and merchandised point-of-sale displays as needed

Apparel Design and Visual Merchandising Internship

Storyville Boutique, Austin, TX

September 2006 - February 2007

Shadowed and assisted owner/manager in daily duties

Assisted in choosing merchandise and meeting with sellers

Merchandised point of sale displays, windows, and mannequins on weekly basis

Organized and styled fashion show promoting boutique at local music venue (Antone's) in downtown Austin

Salesperson and Visual Merchandiser

Hatbox, Austin, TX

May 2005 – May 2006

Assisted customers in selecting hat styles, sizing and selection

Assisted musicians in selecting hats that fit bands persona/brand

Shaped, steamed, and embellished hats

Merchandised point-of-sale displays

Promoted store during local music festivals and events

HONORS & AWARDS

ISSOTL Student Grant Recipient, October 2013, Raleigh, NC

AATCC Herman & Myrtle Student Paper Competition Award Recipient, March 2011, Charleston, SC

Graduate Assistantship Recipient, North Carolina State University 2009-2014

SKILLS

- Computer-Aided Design Systems: Lectra Kaledo Textile and Fashion Design Suite, Adobe Photoshop, Adobe Illustrator, Adobe InDesign
- Pattern Drafting: Optitex PDS, Optitex MRK, Lectra Modaris, Gerber Accumark, Lectra Vectra FashionFP cutter
- X-Rite i0i1 Spectrophotometer and RIPMaster Software
- Statistical Software: JMP, SPSS PASW (Quantitative), QSR NVivo (Qualitative)
- Survey Software: SurveyMonkey, Qualtrics

Additional Skills: crochet, photography, fashion illustration, painting, sculpture, jewelry

LANGUAGES

Beginning French

RESEARCH INTERESTS

- Creative Design Processes
- Creativity Assessment
- Studio Environments
- Scholarship of Teaching and Learning
- Technology and Creativity
- Digital Textile Printing

SCHOLARLY & CREATIVE ACTIVITIES**Membership in Professional Organizations**

American Association of Textile Chemists and Colorists (AATCC)

American Association of University Women (AAUW)

Apparel Technical Design Association (ATDA)

International Foundation of Fashion Technology Institutes (IFFTI)

International Society for the Scholarship of Teaching and Learning (ISSOTL)

International Textile and Apparel Association (ITAA)

The Textile Institute (TI)

Juror, Creative Exhibitions

Make it With Wool State Contest-Kansas, Juniors & Adults division, November 2, 2014, Manhattan, KS

Publications, Presentations & Exhibitions

Type	Number
Manuscripts in Press	1
Manuscripts in Process	3
Refereed Presentations/Proceedings	4
Invited Presentations	1
Juried Exhibitions	1

Manuscripts in Press

1. Polston, K., Parrillo Chapman, L., and Moore, M. (2014) *An evaluation of skill levels of print-on-demand inkjet digital textile printing users*. International Journal of Fashion Design, Technology and Education, submitted June 1st, 2014

Manuscripts in Process

1. Polston, K, Parrillo-Chapman, L., and Moore, M. (2014) *Exploring students' perceptions of rubric assessment for creativity*. targeting Clothing and Textiles Research Journal for submission by January 1, 2014
2. Polston, K, Parrillo-Chapman, L., and Moore, M. (2014) *Formative assessment of product creativity in design studios*. targeting International Journal of Fashion Design, Technology and Education for submission by January 1, 2014

3. Polston, K, Parrillo-Chapman, L., and Moore, M. (2014) *Creating and implementing a rubric for product creativity assessment*. targeting Journal of Research and Practice in Assessment for submission by March 1, 2014

Refereed Presentations and Proceedings

(Presenter Underlined)

1. Polston, K. (2014). *Rubric Assessment of Creativity*, International Textile and Apparel Association Annual Conference for Concept, Research and Teaching Scholarship, presented November 15 2014, Charlotte, NC. Peer reviewed proceedings to be available: <http://itaaonline.org/>
2. Polston, K., Parrillo-Chapman, L., and Moore, M. (2014). *Creativity Assessment*, North Carolina State University Teaching and Learning Symposium, Presented April 15 2014, Raleigh, NC
3. Polston, K. (2013). *Assessing Skill Levels and Niche Market Identities of Print-on-Demand Inkjet Digitally Printed Textiles*, North Carolina State University Graduate Student Research Symposium, Presented March 19 2013, Raleigh, NC
4. Polston, K., Parrillo-Chapman, L. (2011). *Color Management for Digital Textile Printing*, American Association of Textile Chemists and Colorists 2011 International Conference, Presented March 23 2011, Charleston, SC

Invited Presentations and Proceedings

(Presenter Underlined)

1. Polston, K., Parrillo-Chapman, L. & Moore, M. (2014). *Creating and using a rubric for self- and peer-assessment of product creativity*, Instructional Design Interest Group, Presented May 27, 2014, North Carolina State University, Raleigh, NC
2. Polston, K., Parrillo-Chapman, L. (2011). *Color Management Process for Digital Textile Printing and Textile Design Students*, Southern Textile Association Conference, Presented April 12, 2011, North Carolina State University, College of Textiles, Raleigh, NC

Juried Exhibitions

1. Polston, K. (2014). *Waterfall*. Digitally printed silk gown, submitted to International Textile and Apparel Association Annual Conference, Creative Design Exhibition, November 12-15 2014, Charlotte, NC. Jury: 43% accepted. Design catalog available: http://c.ymcdn.com/sites/itaaonline.org/resource/resmgr/Publications/itaa_design_catalog_2014.pdf