

Ashley Beatty

Raleigh-Durham, NC • acbeatty@ncsu.edu

EDUCATION

- North Carolina State University** Raleigh, NC
Master of Arts, Art & Design, summa cum laude 2020
- Florida State University** Tallahassee, FL
Bachelor of Fine Arts, Sculpture and Apparel Design, cum laude 2002

ACADEMIC EXPERIENCE

- North Carolina State University** Raleigh, NC
Teaching Assistant 2019-2020
College of Design, Department of Art & Design. Classes include First Year Design Studio (Fall 2019, Fall 2020) and Second Year Design Studio (Spring 2020).
- In-class studio assistance for Adobe Illustrator and materials-based student work
 - Professor support: Handout generation, student exhibitions
 - Instructor: Introductory lectures for Adobe Illustrator
 - Editing: Student animation compilations

- North Carolina State University** Raleigh, NC
Design Camp Co-Instructor 2019
Campus sponsored summer camp for middle and high school students.
- Co-Developer and Instructor: Interdisciplinary speaker design project for rising 6th through 8th grade students. Outcomes included a basic understanding of sound waves, the ability to identify speaker components, explain their function and how their form alters sound waves. Students designed and built their own amplifiers and left camp with functioning speakers.
 - Co-Design and Fabrication: Speaker bases built from electronic components and wood

PRESENTATIONS

- Think, Collaborate & Do: A CMI Ideation Event** Raleigh, NC
• Poster: “Translating Interoception: The Role of Design in Health Technology” 2022
- Communication, Rhetoric and Digital Media Research Symposium** Raleigh, NC
Dialog 2.0: Social Movements, Online Communication & Transformation 2019
• Panel Speaker: “Transformation and the Structural Limitations of Social Media”

PROFESSIONAL SKILLSET

Specialty garment UX • Patternmaking • Rapid prototyping
Layered 3D fabrications • Practical engineering • Unusual materials
Technique development and training • Fitting • Mobility testing
Project management • Preliminary patent writing

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PROFESSIONAL EXPERIENCE

North Carolina Theatre Raleigh, NC
Wardrobe 2018

Theatre company. Projects include Newsies, and Janis Joplin.

- Dressing, organizing, maintaining and repairing costumes

IATSE Local 417 Raleigh, NC
Wardrobe 2017-2018

Stage Union. Projects include Lord of the Dance (DPAC), The Book of Mormon (DPAC), The Sound of Music (DPAC), Paw Patrol Live (DPAC), Phantom of the Opera (DPAC), Get on Your Feet (DPAC), The Nutcracker (UNC Memorial Hall), and The Little Mermaid (DPAC).

- Dressing, organizing, maintaining and repairing costumes

Space Exploration Technologies (commonly known as SpaceX) Hawthorne, CA
Spacesuit Specialist 2015-2016

Aerospace pioneer. Team member of the Spacesuit Design Lab, Dragon Engineering.

- Cutter and Fabrication: Suit, neck and gloves
- Engineer/ Patternmaker: Suit and helmet integration
- Materials testing
- Interfaced with lead engineers to translate design prototypes into a functional and efficiently manufacturable suit

Ironhead Studios Van Nuys, CA
Specialty Costumer 2013-2015

Special effects costume house. Projects include Suicide Squad, X-Men:Apocalypse, SpaceX (custom fabrication), Captain America: Civil War, Batman v Superman: Dawn of Justice, Daft Punk (custom fabrication), Will.i.am (custom fabrication), The Hunger Games: Mockingjay-Part 1, Kid Cudi 2014 Tour, The Amazing Spider-man 2.

- Cutter and Fabrication: Gloves, boots, tailored suits and capes made of custom printed specialty knits, laminated fabrics, leather, neoprene, cast urethane and foam
- Patternmaker: Foundation garments, helmet liners, core socks

Justin Beal Los Angeles, CA
Custom Fabrication 2014

Artist and curator. Projects include the Wallspace exhibition Soft Matter.

- Patternmaker, Cutter and Fabrication: Leather replica of the Mies Chair by Archizoom Associati

Spectral Motion Glendale, CA
Specialty Costumer 2013

Special effects costume house. Projects include Comic-Con private client, animatronic puppet.

- Patternmaker, Cutter and Fabrication: Tailored garments made of stretch vinyl, foam, knits, wovens and leather

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Silke Otto-Knapp

Los Angeles, CA

Custom Fabrication

2013-2014

Artist and Associate Professor, Painting and Drawing, UCLA. Projects include performances at 365 Mission gallery and London's Camden Arts Centre.

- Patternmaker, Cutter and Construction: Moon garments for dance performance

Ender's Game Productions NOLA

Los Angeles, CA and New Orleans, LA

Specialty Costumer

2011-2012

Production Company. Projects include Ender's Game.

- Production Manager and Patternmaker: Spacesuit boots and gloves made of laminated neoprene, knit and leather
- Fittings: Boots and gloves for seven principle actors, six stunts and forty-three supporting / background actors

Marvel Studios

Manhattan Beach, CA

Specialty Costumer

2011

Studio costume house. Projects include The Avengers.

- Draper and Final Assembly: Superhero suits composed of cast foam latex, urethane, fiberglass, leather, finished fabric constructions, foundation garments, vacuum form plastic, custom boots, gauntlets and gloves
- Cutter and Fabrication: Fabric covered and mounted sheet foam corsets; Inner-workings, attachments and closures for urethane, fiberglass, and cast foam latex; Core socks
- Sculptor: Leather covered and shaped Wonderflex; Foam components

Greg Lauren

Los Angeles, CA

Artisan

2010-2011

Luxury design studio of men's and women's jackets, shirts and accessories.

- Cutter, Construction and Surface Design: One-of-a-kind items patchworked from found vintage materials, cashmere, silk, leather and cotton; Aging/ distressing, fabric sculpting and decorative stitches
- Patternmaker and Fittings: Sweaters, accessories and jacket modifications

Spectral Motion

Glendale, CA

Specialty Costumer

2010

Special effects costume house. Projects include Big Mommas: Like Father, Like Son and "Les Grossman," 2010 MTV Movie Awards.

- Patternmaker/ Draper/ Dyer: Fat-suit foundation garments and glove core socks
- Cutter and Fabrication: Silk dresses, core socks

Film Illusions

Glendora, CA

Specialty Costumer

2010

Special effects costume house. Projects include Thor.

- Fabrication: Inner-workings and attachments for sculpted and cast polyurethane parts

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Quantum Creations FX **Specialty Costumer**

Burbank, CA
2009-2010

Special effects costume house. Projects include Tron: Legacy, and The Last Airbender.

- Fabrication: Complex tailored costumes with working lights made of coated specialty knits and latex foam; Leather armor; Fiberglass lining and finishing
- Patternmaker/ Draper: Gloves and core socks
- Cutter and Construction: Vinyl Upholstery
- Fittings: Assisted Lead Fabricator during regular fittings

Stockroom **Technical Designer/ Patternmaker**

Los Angeles, CA
2007-2008 (also 2004-2005)

Custom design studio of latex and leather garments. Company projects include Watchmen, and The Metropolitan Museum of Art exhibition, Superheroes: Fashion and Fantasy.

- Developer: Spreadsheet based system for product costing, specifications and routing/ market comparisons to expedite integration of 250 production items gained from two company acquisitions; Internal measurement charts and grade rules
- Standardized measurements of existing and acquired patterns to facilitate development of wholesale line
- Patternmaker: First through production and custom patterns for latex and leather items
- Overseas Production Coordinator: Assembled tech packages, analyzed and negotiated pricing, monitored shipments, maintained all related correspondence/ communication and reported progress to senior management; First group of six items created healthy margins for distributor pricing
- Supervised two Production Assistants
- Purchaser: Maintained inventory of trimmings, fabrics and design room supplies for three company divisions
- Fittings: Conducted an average of six monthly for ready to wear lines and custom design clients
- Project Manager: Four fashion shows traveling to Las Vegas and San Francisco; created timelines/ production schedules and reported progress to senior management
- Patent writer: Three preliminary patents

Kira Craft **Studio Assistant**

Malibu, CA
2005-2007

Couture made to measure garments and luxury women's shirting.

- Cutter, Construction and Sample maker: Silk, wool, cotton and leather garments
- Technical Design: Construction specifications and finishing details
- Accessory Design: Designed and created patterns for a line of shirting fabric belts

Stockroom **Leather Stitcher/ Production Assistant**

Los Angeles, CA
2004-2005

See above.

- Stitcher: Leather items
- Technical Design: Tech packages with sewing instruction, technical illustrations and costing

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AWARDS

- Comparative Medicine Institute (CMI) Ideation Award • \$15,000** Raleigh, NC
2022-2023 Academic Year 2022
“Fabricating an Assistive Knee Orthosis Using Miniature Pneumatic Artificial Muscles”
Joint Award with Muh Amdadul Hoque, Textiles & Ricky Pimentel, Biomedical Engineering
- Graduate School Summer Fellowship** Raleigh, NC
Summer 2022 2022
- NC State University Provost’s Doctoral Fellowship** Raleigh, NC
2021-2022 Academic Year 2021
- University Graduate Fellowship** Raleigh, NC
2021-2022 Academic Year 2021

CERTIFICATIONS

- Loyola Marymount University** Los Angeles, CA
Yoga Therapy Rx Level 2 2013
- Yoga Works** Los Angeles, CA
200-Hour Teacher Training 2010

ORGANIZATIONS

- IATSE Motion Picture Costumers Local 705** Los Angeles, CA
Specialty Costume, Custom Made, Key Initiated 2011

VOLUNTEER WORK

- Marbles Kids Museum** Raleigh, NC
Giant collapsible mushrooms for Imagination Ball 2018
- ChickTech** Raleigh-Durham, NC
E-Wearable Workshops for high school girls STEM outreach 2017-2018
- St. Jude Children’s Hospital NICU** Indianapolis, IN
Premature infant onesies with easy access for medical monitoring 2017