

EDUCATION

Cornell University – Bachelor of Science in Fiber Science and Apparel Design
Fashion Institute of Technology – Browzwear VStitcher Digital Design Certificate
Passed OF-306 Declaration for Federal Employment Background Check in 2021

SKILLS

Sewing and Garment Construction

- Skilled use of domestic and industrial sewing machines
- Adept at several hand and machine stitches and techniques including straight, walking foot, bartack, buttonhole, overlock, cover stitch, zippers, and 3-thread rolled hem
- Adhere to ASTM D6193 and/or ISO stitch standards
- Assemble, sew, and finish garments/ softgoods according to patterns, instructions, and quality standards
- Inspect finished items for quality and consistency, making repairs or adjustments or repairs

Fabrication Equipment

- Juki DDL-8700 Single Needle Lockstitch Industrial Sewing Machine
- Juki MO-6714DA 4 Thread Overlock Industrial Sewing Machine
- Brother CS6000i Sewing Machine & Brother 1034D Lockstitch Serger
- LASER Cutter: fabric, wood, foam
- Sonobond Ultrasonic Fusing Machine
- 3D Printers, plotters, body scanners, hand tools

Software

- Adobe Illustrator for CAD Design, Photoshop for Graphic Design, Firefly for Generative AI
- Microsoft M365 Word, Excel, PowerPoint, SharePoint, Clipchamp, Designer
- Product Lifecycle Management: PTC FlexPLM, Gerber WebPDM, Optitex, Clo3D, VStitcher, Lotta
- Digital design for 3D environment: metaverse, games, and virtual worlds

Technical Design and Patternmaking

- Athleticwear/ Activewear (knit and woven), women's bras, women's fashion tops, costumes
- Samples & Prototype Management: tech packs, sample tracking, lab dips, strike offs, factory communication
- Fitting: Fit sessions on live fit models, fit corrections based on session notes, CAD updates
- Draping: Traditional physical draping with paper patterns/ plotter import or digital draping with digital patterns

Design and Product Development

- Athleticwear/ Activewear (knit and woven), softgoods, women's bras, women's fashion tops, costumes
- CAD drawings, line sheets, tech packs, POMs, DPC (Digital Product Creation)
- Market research: Wear tests, consumer insights, retail comp shopping, product innovation research
- Presentation decks: Mood board, trend reports, design concepts, new product introduction
- Prototypes: Mock-ups, lab dips, strike-offs, factory communication, quality testing coordination
- Follow production schedules to meet deadlines and quotas

Machine Troubleshooting, Maintenance, and Safety

- Routinely perform machine maintenance including cleaning, threading, and replacing needles or bobbins
- Document production output and immediately report any concerns or equipment malfunctions
- Keep the work area clean and well-organized while following all safety procedures and housekeeping standards

RELEVANT PROJECTS

Functional Design Research – Sewing Technician

<https://catcorley.com/functional-design-research/>

- Constructed a functioning prototype jacket created to evaluate localized ventilation to dissipate heat for hikers
- Jacket was covered with removable panels and tested in a lab environment to determine how few panels needed to be removed to quickly cool off the hiker and if placement of ventilated areas mattered
- Recommended best fabrics and trims to use based on similar items available on the retail market
- Drafted patterns in Optitex based on size of "Walter the Sweating Manikin" with final edits on paper patterns
- Textiles used: synthetic poly fabric, poly mesh, zippers, Velcro®, cotton thread, and transparent nylon thread

RELEVANT PROJECTS CONTINUED

Space City Costumes – Costume Design

<https://catcorley.com/space-city-costumes/>

- Managed a small online business designing and selling custom costumes for cosplay
- Produced screen-accurate costumes by drafting custom patterns for a wide range of sizes from S to 3XL
- Some costumes required accessories made of leather, pleather, vinyl, and various trims

EXPERIENCE

Executive Presentation Designer & Employee Communications

HP Inc. Personal Systems, Hybrid Systems & HyperX | Houston, TX | November 2021 – September 2023

Peripherals: Mice, keyboards, headphones, docking stations, docking stations, game controllers, bags, covers

- Produced executive-level presentations that clarified strategy for internal and external stakeholders
- Created comms for the executive newsletter, org announcements, town halls, high-level face-to-face meetings
- Developed and maintained the organization's internal SharePoint site for updates, product info, archives
- Drove employee engagement by translating team achievements, awards, and events into compelling stories

Patent Examiner for Textile Technology

US Patent and Trademark Office (USTPO) | Washington DC | August 2020 – July 2021

- Examined utility patent applications in Art Unit 3732: textiles, apparel, helmets, belts, wearables, footwear, uniforms, tactical gear, PPE
- Mapped the patent prosecution journey for inventors from application submission to final office action
- Researched prior art and non-patent literature to evaluate the uniqueness and accuracy of patent claims
- Prosecuted patent applications according to intellectual property laws and MPEP patent regulations

Assistant Technical Designer – Casual Bras

Victoria's Secret Design Headquarters | New York, NY | March 2019 – August 2020

Casual Bra Collection: Body by Victoria, Incredible, T-Shirt, Sport, Lounge

- Supported the technical development of proto samples to facilitate Design Intent
- Collaborated with cross-functional teams to ensure fabric, metal and plastic findings, underwire, dye, elastics, lace, all parts of the garment reach construction feasibility to achieve Design Intent
- Coordinated fit sessions on a live model, took photos and fit comments about corrections and construction edits
- Communicated fit comments and annotated images to regional sample team to produce a new, corrected sample
- Conducted user testing, wear trials, and customer feedback the use those customer insights to refine product designs and to inform next season's assortment

Product Development and Design Associate – Women's Fashion Tops

Permit Fashion Group | New York, NY | April 2018 – January 2019

A design vendor for retail customers: Chico's, Stein Mart, and Boston Proper

- Coordinated the development of proto and photo samples for a private label Missy customers
- Created and updated seasonal product line sheets, development charts, CAD sketches, tech packs, pitch decks
- Acquires initial costing from overseas sample team to communicate to customers, keeping BOM's updated
- Communicated development updates from customer, tech design, production, or sales to overseas sample room

Assistant Designer & Product Developer – Women's Athleticwear

Academy Sports + Outdoors | Houston, TX | October 2016 – November 2017

- Contributed to the design and development of private label apparel and soft goods from concept through production, balancing customer needs, market trends, quality, cost, and delivery objectives
- The athleticwear/ activewear line includes tops, sports bras, shorts, leggings, jackets; both knit and woven
- Conducted trend research and competitive analysis to identify product and pricing opportunities
- Managed fittings, sample development, size runs, color runs, factory communication, CAD creation, tech packs, and cross-functional coordination with my team, sourcing, technical design, quality assurance, and vendors
- Assisted in launching BCG Plus, Academy's first women's plus-size activewear line