

MOLLY CHAPIN BERGER

EXHIBIT & EXPERIENTIAL DESIGNER

Industrial Design · Design for Fabrication · Construction Documentation

Richmond, VA · Relocating to New York for the right role · 804-938-5870 · molly.berger14@gmail.com · mollychapinberger.com · linkedin.com/in/molly-chapin-berger-556a6a11b

Exhibit and experiential designer with a background in industrial design and construction documentation — the two capabilities exhibit teams most often have to teach. Currently producing structural and architectural drawing sets that get built at Virginia's largest chemical manufacturing plant; previously designed consumer products, brand environments, and interactive prototypes. Exhibit concepts developed for Explore More Discovery Museum were carried into the museum's permanent Appalachian Trail installation.

SELECTED PROJECTS

Appalachian Trail Stairwell Exhibit — Explore More Discovery Museum · Exhibit Designer, two-person team 2018

- Designed an immersive Appalachian Trail environment for a two-story stairwell around one question — not how to teach children about nature, but how to make them want to engage with it — testing concepts with children to find what sparked curiosity.
- Built the result at full scale: a looks-like/works-like prototype spanning the studio — illustrated character set, environmental graphics, CNC-cut elements, fabric waterfalls, educational signage, and a graphic run between the stairwell's existing handrails that turns the climb into the trail from Georgia to Maine.
- Presented two concepts to museum staff and Appalachian Trail Conservancy representatives; the museum built the design as a permanent mural, keeping concept elements and the vinyl pawprint trail installed on site.

Experience JMU — VR Campus Tour Installation · JMU Office of Admissions / X-Labs 2018 – 2023

Designer, interdisciplinary team

- Walk-up VR installation for the admissions lobby — three Oculus Rift kiosks letting prospective students attend a football game, a symphony performance, and a showcase of student work, shot on Insta360 Pro at 8K.
- Held full creative control of the menu and logo; designed the tutorial graphics, voiced part of the narration, and contributed 3D modeling. Headset-mounted Leap Motion hand tracking removed controllers entirely, so first-time users needed no instruction. In service five years at hundreds of visitors a week.

Johnson & Johnson Medical Devices — Five-Day Design Challenge 2022

- Modeled a medical device in Rhino 6 and built an augmented-reality demo with supporting renderings; presented in a 10-minute pitch to J&J hiring managers and supervisors.

EXPERIENCE

AdvanSix · Hopewell, VA — CSA Designer (Civil / Structural / Architectural) Aug 2024 – Present

- Produce construction drawing sets — plans, sections, elevations, and details — for foundations, steel structures, platforms, and drainage at Virginia's largest chemical manufacturing plant; drawings are issued to contractors and built.
- Field-verify existing conditions in an operating industrial facility, reconciling as-builts against legacy drawings before design begins; coordinate across mechanical, piping, and electrical disciplines and resolve conflicts directly with engineers, contractors, and plant operations.

Southern Telecom · Remote — Freelance Product Designer (Contract) 2024

- Concepted a licensed-IP children's nightlight from market and character research through Rhino modeling and KeyShot photorealistic rendering; delivered a full proposal with lifestyle imagery.

Broadtime LLC · Richmond, VA — UX/UI Designer (Freelance, then Full-Time) May 2020 – Aug 2024

- Restructured the TunePortals CMS information architecture — simplified navigation and rebuilt the onboarding flow for independent record stores joining the platform; designed the onboarding manual and modernized client store websites.

General Services Corporation · Richmond, VA — Brand Experience Designer Aug 2022 – Mar 2023

- Sole in-house designer for a property management portfolio — property identity, signage and wayfinding updates, leasing collateral, and web — managing print production with an outside vendor through substrate selection, proofing, and brand color matching at large format.

SolarMill · Richmond, VA — Design & Market Research Intern Jun 2018 – Aug 2018

- Increased material yield with a 37-piece nested CNC layout producing two complete units per plywood sheet; worked the full pipeline from Fusion 360 model to finished parts in a wood, metal, and CNC shop.

CAPABILITIES

Exhibit Design & Environmental Graphics · Design for Fabrication · Construction Documentation & Shop Drawings · Field Verification & As-Built Survey · Concept Development · 3D Modeling & Rendering · Shop Fabrication (Wood, Metal, CNC, Laser, Soft Goods) · Accessible & Inclusive Design · Code Compliance Review · Client & Stakeholder Presentation

SOFTWARE

Rhino · SolidWorks · Fusion 360 · AutoCAD · Revit · CADWorx · MicroStation · SketchUp · Blender · KeyShot · V-Ray · 3ds Max · VCarve · Gravity Sketch · Unity · Adobe Creative Suite (Photoshop, Illustrator, InDesign, After Effects) · Figma · Sketch

EDUCATION & AFFILIATIONS

James Madison University · Harrisonburg, VA — BS Industrial Design May 2021

Umbai / Vienna Design Studio — Study Abroad Summer 2019

Society for Experiential Graphic Design (SEGD) — Member Since 2026