Lighting design

The following pieces were originally conceived by folding paper. After an initial concept was reached, the creases were traced and scanned. The scans were then imported into AutoCAD where they were traced again, perfected and expanded.

The finished files were sent to a laser engraving service. The crease pattern was then scored on to a special formulation of polypropylene sheet plastic that is both flame retardant and an electrical insulator.

The scored sheets were then hand folded and fitted with lighting hardware including rocker switches, bulb sockets and plugs that I personally assembled and soldered.

The folding techniques used allows each piece to be collapsed for flat-pack applications like shipping and storage.
Wurm Lamp
Approx. 48” x 24”

Materials:
Polypropylene,
Heat Shrink Tubing,
Vintage Lamp Cord,
Grommets,
Bulb Socket,
Switch,
Plug
Composite Lamp
Approx. 48” x 48”

Materials:
Polypropylene, Heat Shrink Tubing,
Vintage Lamp Cord, Grommets,
Bulb Socket, Switch, Plug
drips.dwg
Produced in AutoCad

Composite Lamp
Approx. 24” x 48”

Materials:
Polypropylene, Heat Shrink Tubing, Vintage Lamp Cord, Grommets, Bulb Socket, Switch, Plug
Long Lamp
Approx. 120” x 24”

Materials:
Polypropylene, Heat Shrink Tubing, Vintage Lamp Cord, Grommets, Bulb Socket, Switch, Plug
Green Oaks
Tree Platform

During college I spent one semester in an off campus study program with twelve other students on restored prairie and woodlands. One of the included courses involved site specific art. I chose to build an elevated platform in a wooded area. The intention was to build a structure that could be utilized in different ways by future classes. It could be left as it was for site specific performance or other events or expanded into a more complete tree house.

Initial planning drawings
The site included a forked snag that had fallen and caught on another tree. The trunk of the fallen snag created a long slope that I planned to use as a natural approach to the platform.

Materials
Previously, a large number of invasive black locust trees had been removed from the property and milled for future use. I was able to use this lumber as the main source of material for the project.
Framing
I led the rest of the cohort in the initial framing of the structure using my knowledge of carpentry practices.

Site specific design
The site provided numerous challenges that had to be overcome using an engineering mindset and careful craftsmanship.
Final Platform
Approx. 50 sq ft lofted 12’

Materials:
Invasive black locust lumber,
plywood, carriage bolts,
lag bolts, screws, nails
Mask

The following pages detail the development of a mask for a performance. The requirements of the design called for the mask to obscure the wearer's identity, to be ostentatious and a little frightening, but still allow for the wearer to move freely, and to stylistically recall the garb of a renaissance jester.

I personally completed all elements of the design, patterning and fabrication of this project.

Planning sketches
9"x12", Pencil and Paper
Rough pattern
Approx. 40" x 30"
Materials: Paper, Masking Tape

Final Pattern
Produced in Adobe Illustrator
Final Mask
Approx. 18” x 18” x 24”

Materials:
Fabric, thread, ribbon, sheet plastic to stabilize the area around the eyes
Explore Your Fit for Deloitte

For the past two years I’ve worked professionally as a web developer for a marketing and branding agency. Recently, we produced a web application to be used as a recruitment tool for Deloitte, an international financial consulting corporation.
Front-End Development
While working primarily as a front-end developer on the project, I implemented user interface elements using HTML, CSS and JavaScript. Due to the highly graphic nature of agency work, it was often my responsibility to solve problems inherent in creating highly animated and interactive web interfaces using cutting edge technologies.

Responsive Design
I was often tasked with adapting existing UI design for desktop to be used on phones and a variety of other mobile screen sizes as shown in the example above.

UI Design
At the time this site was made, the agency I was working for was primarily using print designers to design user interfaces. This often meant that certain elements of website design, particularly those dealing with interaction, were overlooked. This meant that the development team had to creat solutions and work with designers and art directors to deliver solid UX.

View the site here: explore.deloitte.com
2017 WebAward for Outstanding Achievement: https://bit.ly/2JiU5C9
Events Poster
This poster design was created for a free lecture series at Knox College
Produced in Adobe InDesign for appropriately proportioned media.

Zoe Ryan
Curator,
Department of Architecture and Design
Art Institute of Chicago

Laura Newman
Artist

Rick Valicenti
3st Design

May 3

May 14

May 27

5pm

Knox College
Department of Art and Art History

Ford Center for Fine Arts
Round Room

knox.edu/speak 309-341-7000
Chair and Desk Study
12" x 9", Pencil and Paper
Living Room Study
12" x 9", Pencil and Paper
Bicycle sketches
11” x 17”, Pencil and Paper