

# Paul Oak Aicher.

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## Skills

3D CAD Modeling, Rapid Prototyping, 3D printing, CNC, 3D Scanning/Metrology, Model Making, Metalworking, Woodworking, Electronics Prototyping, Creative Problem Solving, Form Development, Product Design, User Research, Concept Generation, Sketching, Rendering, Graphic Design, UX/UI Design, CMF, Photography, Drone Operation

## Software

Rhino 3D, Grasshopper, Fusion 360, Python, C#, SolidWorks, Catia, ZBrush, Blender, Keyshot, Figma, Illustrator, Photoshop, InDesign, Adobe Creative Suite, Microsoft Office, Materialise Magics, Arduino

## Education

### The Savannah College of Art and Design

B.F.A. Industrial Design  
09/2014 - 06/2018  
Savannah, GA

## Experience

### Computational Designer

*Martin Bros. - Lucas Museum project* 04/2023 - Present Los Angeles, CA

- Achieves the aesthetic goals of the architect by coordinating with the field team and project leaders to make decisions in a fast-paced and highly technical environment
- Ensures high-quality and error-free deliverables including part drawings, reports, and survey analysis
- Develops and operates bespoke Grasshopper scripts for simulation, modeling, and analysis of the one-of-a-kind FRP facade system for the Lucas Museum of Narrative Art
- Tells the story of the installation process using animations and drone photography

### Additive Manufacturing Lab Technician

*Canoo Inc.* 09/2021 - 04/2023 Los Angeles, CA

- Created show car parts and prototypes for design and engineering evaluation using FDM, SLA, and MJF 3D printing, surfacing and painting, and CAD modeling
- Produced high quality 3D scans/metrology and analysis
- Accelerated Lab workflows and infrastructure by creating hardware tools and Python utilities

### Computational Designer / Industrial Designer

*David Wiseman Studio* 03/2020 - 09/2021 Los Angeles, CA

- Designed and manufactured custom organic furniture and complex interior design elements utilizing investment casting, 3D printing, and CNC milling
- Communicated project expectations for design and production to clients
- Translated 2D sketches and abstract ideation into CAD models using Zbrush, Rhino, and Grasshopper

### Industrial Design Intern

*Ekso Bionics* 06/2019 - 08/2019 Richmond, CA

- Designed new concepts and established aesthetics for human support devices as the company's first industrial designer
- Collaborated with the engineering team as they evaluated new concepts and helped meet project deadlines for their industrial and healthcare sectors

### Digital Fabrication Technician

*SCAD Digital Fabrications Lab* 09/2017 - 05/2019 Savannah, GA

- Educated students and faculty on 3D modeling and best practices for rapid prototyping, contributing to hundreds of SCAD student and faculty projects.
- Trusted as a student to operate and maintain high-end Lab machines and tools including Polyjet, FDM, and SLA 3D printing, Large format paper, flatbed UV, and Vinyl printing/ cutting, and Laser cutting