

SAMUEL HOWARD

INDUSTRIAL DESIGNER

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SUMMARY

Industrial designer with eight years of CAD and prototyping experience. Takes products from concept through manufacturing, with a design patent and a product through sample and pre-production runs.

EXPERIENCE

Founder & Lead Designer, Wobble (under SJH Create, LLC)

June 2026 – Present

- Founded Wobble and solo-designed Perch, a premium sheet-metal dog feeder, from concept to production.
- Designed Perch in about two weeks: one week of research, then 150 CAD models in one week to explore and refine the form.
- Managed the manufacturer through five sample units and a second run in progress. Design is patent pending.
- Grew the Perch waitlist to 800 signups in a few weeks, using a site and AI-assisted ads and data collection (with consent).
- Built a margin calculator to compare profit by order size and by online versus wholesale sales.

Industrial Design Intern, Steelcase

Jan – May 2026 · Grand Rapids, MI

- Worked across the Task Seating team (mass-production plastic components) and Studio B (smaller custom client runs).
- Presented design directions and refined concepts based on engineering, leadership, and manufacturing feedback.
- Adjusted designs for fit, function, and manufacturability in prototype and production.

Founder & Product Designer, SJH Create (Etsy)

July 2025 – December 2025

- Developed a line of desk products, including a lamp and desk accessories, sold on Etsy.
- Designed and produced functional products using 3D printing, laser cutting, and hand finishing; managed production and packaging.
- 3D-print files downloaded about 18,000 times on MakerWorld.

Makerspace Technician, NCSU Makerspace

Aug 2024 – Dec 2025

- Operated and maintained laser cutters, vinyl cutters, and SLS, SLA, and FDM printers.
- Managed print jobs and equipment rentals, and supported students with troubleshooting.

Design Instructor, Girls Inc. of Sarasota

June – Aug 2025

- Taught 3D design and the design process in Tinkercad to students in grades 2–8.

Freelance Designer, Fiverr

Jan 2024 – Jan 2025 · Remote

- Delivered design work for six clients, including a solar door lock and a smart medicine container, through multiple iterations.

PROJECTS

Perch (2026): Premium sheet-metal dog feeder from Wobble. Two weeks of research and design (150 CAD models), then five sample units and a second run in progress. Patent pending.

DAILY CHAIR (2026): Modular seating system, solo six-week study-abroad project. One base changes with your needs: a stool becomes a chair with a seat, then a backrest (several styles), then arms, without loose parts to store. Designed for joinery, stacking clearance, and flat-pack packaging, and modeled in CAD and built as multiple prototypes. Designed with restaurants (custom configurations) and offices (connecting units, side shelving) in mind.

GOVA (2026): Folding step stool in 80% wood. Prototyped, then CNC-machined final parts.

ORON (2025): Modular lamp. First metal and SLS project. Redesigned for mass production.

DELETE (2025): To-scale modern shop vac. Scanned and modified a motor, then 3D-printed prototype with form studies.

REVA (2025): Vacuum-formed room divider, group project. Led the design.

SKILLS

Software: Fusion 360 (expert) · 3D printing (expert) · SolidWorks · KeyShot · Adobe Suite · Vizcom (AI rendering)

Fabrication: Laser cutting · CNC · Waterjet · Sheet metal bending · Vacuum forming · SLS · SLA · FDM · Lathe · Welding

Practice: Rapid prototyping · Design for manufacturing · Working with manufacturers from prototype to production

AI: Claude and ChatGPT (research and writing) · Vizcom (texture and concept exploration) · AI-generated photoreal product renders · AI-assisted web development

PATENT

Design patent D898,362 (2019), sole inventor.

EDUCATION

North Carolina State University, B.I.D. Industrial/Product Design

Fall 2024 – May 2028