

# JAKE DICKERSON

Industrial Designer

## CONTACT

Salt Lake City, UT

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## EDUCATION

### BRIGHAM YOUNG UNIVERSITY

Industrial Design BFA

2021-2025

## PUBLICATIONS

### E&PDE 2025 · THE DESIGN SOCIETY

A Biomimetic Generative Design

Framework: Simulating Silkworm Silk

Tapestry in Houdini for Product and

Educational Applications

Dickerson, J. E., Bunn, B., Howell, B. F.

DOI: 10.35199/EPDE.2025.98

## SKILLS

Solidworks      Adobe Creative Suite

Keyshot          Autodesk Autocad

Rhinoceros      Arduino & Raspberry Pi

Grasshopper    Design Thinking

Houdini          Hand Sketching

Figma            Rapid Prototyping

## CERTIFICATES AND ACCOMPLISHMENTS

Solidworks CSWA Certified

Conversational Japanese Fluency

## WORK EXPERIENCE

### INDUSTRIAL DESIGNER - AMERICAN CRAFTS

2023-Present

- Led product design from initial concepts to functional prototypes.
- Applied ergonomic, aesthetic, and feasibility standards to refine solutions using innovative thinking.

### FREELANCE DESIGNER - VARIES

2021-Present

- Provided graphic, architectural, and product design services for diverse clients, including law firms, small businesses, and solar companies.

### SOLAR SYSTEMS DESIGNER - AVOLTA POWER

2020-2022

- Created plans and determined electrical interconnection for solar installers.
- Maintained automated design template to ensure streamlined and efficient processes.

### CONTRACT INTERIOR DESIGNER - JUXTAPOSE DESIGN

2020-2022

- Drafted and prepared AutoCad drawings of renovated room layouts.

### CUSTOMER SERVICE - ZEIT COMPANY

2022-2023

- Managed multiple customers at once through the ordering process from start to finish.
- Resolved complex customer issues.

### AUDIO VISUAL DESIGNER- LIFESTYLE ELECTRONICS

2019-2020

- Composed and designed installation plans for audio/visual systems in AutoCad.
- Created and modified architectural drawings of houses to prepare for AV installation.