

Sophie Dukes

Industrial Designer

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sophiedukes.com

Skills

Digital

Solidworks
Keyshot
Autodesk Fusion 360
Rhino
Onshape
AutoCAD
Figma
Adobe cc (*Ps, Ai, Id, Pr*)
Procreate
Sketchbook
Lightburn
Microsoft Office

Analogue

Rapid Prototyping
Sketching
Laser Cutting
Wood Shop
Metal Shop
Sewing
Soldering

Strengths

Design for Manufacturing
User Experience
Marketing
Organization
Collaboration
Leadership
Creativity
Communication
Enthusiasm

Experience

Junior Industrial Designer at Rendyr Inc | *Fall 2022 - Present*

Developed and implemented **comprehensive documentation, manufacturing processes, packaging practices, and assembly jigs** for the in-house production of 300+ desktop laser cutters, resulting in streamlined manufacturing and increased production efficiency, as well as created **marketing projects** to inspire and connect with users

Undergraduate Research Assistant at Fermilab National

Accelerator Lab | *Fall 2020 - 2021*

Led the design and implementation of **3D CAD models** for GEANT simulations, **crafted muon detector housing**, and **drafted a dynamic website** to facilitate cosmic-ray muon radiography for complete interior discovery of the Great Pyramid of Giza

University of Virginia Student Intern | *Summer 2020*

Designed a mobile platform to provide access to electronics for installation, removal, and repair within tight quarters at a lab site

Education

Virginia Tech '23 | Industrial Design | 3.57

Developed skills to analyze the needs of users and stakeholders to create products and systems that optimize a function, improve value, and incorporate aesthetics through design research, collaboration, ideation, physical and digital prototypes, renders, and presentation

Leadership/Honors

- **European Product Design Gold Award Winner**
- **IDEA Awards Finalist**
- Industrial Designers Society of America Former Secretary at Virginia Tech
- Moss Art Center ICAT Founding Ambassador