

Sophie **Dukes**

Industrial Designer

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Education

Enrolled | Industrial Design | Virginia Tech | 3.57

Developing 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

Experience

On-Call Undergraduate Research Assistant at Fermilab National Accelerator Lab | *Fall 2020 - 2021*

Designing 3D **CAD models** of the Great Pyramid of Giza to be used in a GEANT simulations, **designing muon detector housing**, and **drafting a functional website** for the ultimate goal of using cosmic-ray muon radiography to discover the complete interior contents of the pyramid

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

Leadership/Honors

European Product Design Gold Award Winner IDEA Awards Finalist

Industrial Designers Society of America Secretary at Virginia Tech
Moss Art Center ICAT Founding Ambassador
Member of the Collegiate Society of Leadership & Achievement

Skills

Digital

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

Analogue

Rapid Prototyping
Sketching
Wood Shop
Metal Shop
Sewing

Relevant Courses

Computer Aided Design
Design Research
Housing Textiles
Minimal Space
Seeking Sustainability

References

Upon Request