



# SUSAN SALE

Virginia Tech Industrial Design Class of 2024  
Calhoun Honors Discovery Program, Green Engineering Minor

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## Experience + Projects

### Chairs in the Air: Aircraft Accessibility, Calhoun Studio Spring 2022-

Adapting airplane interiors to be more accessible to wheelchair users with a transdisciplinary team of 8 other students

Informing decisions by conducting research with users and industry stakeholders

Professionally presenting our work at conferences and to stakeholders

Producing high definition 3D CAD, renders, animations, videos, and physical prototypes

Benchmarking and researching the market for our solution

### Sustainability Intern, Food Team, VT Office of Sustainability Fall 2021- Communications Representative (Fall 2023-Spring 2024)

Meet weekly with the 5 person Food Team, bi-weekly with the Office of Sustainability, and regularly with stakeholders in dining, facilities, and other areas

Wrote and received two grants for a hydroponics system that will increase the amount of fresh food that can be offered to food insecure students

Designed and wrote a magazine to improve awareness of food sustainability in the Blacksburg and VT community

Internally recording Dining Services data to improve sourcing decisions and STARS reporting

### AVEC Chair: Aging in Place, Industrial Design Studio Fall 2022

Interviewed users and fitness experts at Warm Hearth Village

Designed a chair to enable at-home exercise with 3 other students

Exhibited CNC fabrication, woodworking, soft goods, 3D CAD, rendering, product demonstration videos, presentation to industry professionals

### Bus Operator, Blacksburg Transit Spring 2023-

Work responsibly and reliably in a safety sensitive position

Provide excellent, empathetic customer service

Earned CDL Class B and continuing to learn new skills

## Service + Organizations

### Sustainability Officer, Hillcrest Hall Council Fall 2021-Spring 2022

Organized the first VT Bee Campus USA pollinator habitat planting and educational event

Planned and executed campus-wide food drive/ haunted house event

Wrote successful funding proposal for improved utility efficiency

### President, Industrial Design Society of America VT Chapter Fall 2023-

Vice-President, Fall 2022-Spring 2023

Organized and executed aspects of the regional portfolio review

Leading weekly officer meeting and biweekly chapter meetings

Planning and executing a school-wide student auction

### FRC Robotics: Team 122, NASA Knights Fall 2019-Spring 2020

Worked on the electrical subsystem

Modeled and fabricated parts with 3D printing and laser cutting

## Skills

CAD • SolidWorks • OnShape • Keyshot • Fusion360 • Rhino3D • AutoCAD

Presentation • Adobe Suite • Microsoft Office • G Suite • Miro • Figma

Prototyping • Laser cutting • 3D printing • CNC Milling • Document printing • Woodworking • Sewing • Photography • Product Videos • Wireframing • Design Sketching • Design Research

## Honors

First Year Sketching Award, VT School of Architecture + Design, 2020-2021

All Wheels Up Working Group Conference Presenter, Fall 2022

All Wheels Up Global Forum Presenter, Fall 2023

## Relevant Courses

Environmental Life Cycle Assessment  
Industrial Design Studio  
Calhoun Transdisciplinary Studio  
Professional Practice & Entrepreneurship  
Design Research  
Human Factors  
Materials & Processes  
Design Visualization  
Water and Sanitation in Developing Countries  
Operations Management