

ABOUT ME

I am an industrial designer who focuses on combining industrial and fashion design for new innovative designs. I integrate natural aesthetics with functional and practical elements in my design approach and process.

EXPERIENCE

NASA Project Team with TCC Jan - Aug 2024

Bone Conduction Headset for NASA's New xEMU Suit

- Developing headset prototypes for real testing with NASA engineers and astronauts from the Technology Collaboration Center Wearables Workshop & University Challenge
- Analyse scholarly research on bone conduction, sound blocking, acoustic foam, and ergonomics
- Client meetings with NASA engineer for refinement
- Pattern making, sewing, assembling for the headset prototyping

3D-printed Textile Research Jan 2025- Present

Independent Study Guided by Prof. Henry Yoo at Pratt Institute

- Research 3D-printed textiles and the application of parametric/origami tessellation in various designs
- Learn auxetic patterns, functional gradients, and geometric tiling through Grasshopper, an algorithm-based program.
- Develop 3D printing skills for testing and applying to wearable technology

RELATED EXPERIENCE

FND Shop monitor / Assistant Oct 2021 - Present

Pratt Institute Foundation Woodshop & Plastershop

- Manage the shop environment
- Developing communication skills with faculties and students
- Learn how to check the condition of tools and machines
- Assist students with crafting, using tools, and showing demos

SOD Woodshop monitor Aug 2022 - Present

Pratt Institute School of design

- Monitoring wood shop and managing tools for woodworking, plastics, and metal...etc.
- Learn how to use every tool and skill for using machines for prototyping

ADDITIONAL EXPERIENCE

Foreign Tourist Commentator Jan 2019 - 2020

Jeonju-si Student International Commentator Association

- Be a leader of the team and manage workshops about tourist information and presentation.
- Guide for tour spots to explain about the place for the foreign visitors in English.

EDUCATION

Pratt Institute Class of 2025

Bachelor of Industrial Design
Minor in Fashion Design / Sustainability Studies
3.95/4 GPA

SKILLS

CAD

Solidworks / Maya / Keyshot / Rhino / Grasshopper / Blender / CLO 3D

Adobe Suite

Indesign / Photoshop / Illustrator / Premier Pro / After Effects

Prototyping

Woodworking / Sewing / 3D printing / Mold making / Laser cutting

Office

Microsoft 365 / Slack

AWARDS

2024 Rowena Reed Kostellow Award

Junior 1st place (\$1000 prize)

2024 Student Choice Award

Junior 1st place - *Transcend*

2023 IESNYC Student Lighting Competition

Honorable Mention - *Dazzling Shadow*

2023 Rowena Reed Kostellow Award

Sophomore 2nd place
(\$1800 scholarship)

2023 Atkinson Memorial Fund

\$1400 scholarship

Merit-based Scholarship

2021 - 2025

President's List