

# Yichen Fan

## Specialty

Intelligent Design, Design for Health

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## SKILLS

### Design Research

Focus group, Experience Blueprint, Heuristic Evaluation, Field Research

### Product Design

Prototyping, Data Visualization, IOT and Product Design, Project Management

### 2D and 3D Design

Adobe Creative Suite, Figma, Rhino, Shapr3D, Fusion 360, Blender, Keyshot

### Engineering

Arduino, SolidWorks, 3D Printing, CNC Cutting, Materials Science, Manufacturing Processes, Carpentering, Welding

### Programing

Python, C, C++, Unity

### AI Tools

Midjourney, Stable Diffusion, Baidu App Builder

## LEADERSHIP

### The New Media Department affiliated with the Student Union

09/2021 - 12/2022

Graphic Designer & UI Designer

- Completed several Student Union events and holiday poster designs.
- Co-designed several huge event icons and the UI systems.

### School of Creativity and Art

09/2022 - 07/2024

Graphic Designer & Assistant Manager

- Designed posters and UI, created the college equipment manual.
- Organized the visual design of the 2022 opening ceremony.

## EDUCATION

ShanghaiTech University, Shanghai, China

anticipated 09/2021 - 06/2025

Bachelor of Industrial Design, Major GPA 3.90/4.00, Overall GPA 3.62/4.00

### Main Course

IOT and Product Design (A), Data Visualization (A), Mixed Reality Design (A-), Intelligent Design Technology (A), Introduction to Information Science and Technology (A)

## PATENT

A Liquid-Filled, Legless, Adjustable Refractive Emergency Glasses 2024

Under Review, Second Inventor, China National Intellectual Property Administration

Biodegradable mycelium-based children's plant puzzle 2024

Under Review, First Inventor, China National Intellectual Property Administration

Children's anti-squash shoes with stretchable color-changing material 2024

Bioluminescent algae-based SAD therapy chair with oxygen supply 2024

Asperger's emotion recognition plugin 2024

Biodegradable friction-responsive color-changing phone case 2024

## AWARDS AND RECOGNITION

Red Dot Award: Design Concept Top 1% 2024

International Design Excellence Awards Finalist Top 5% 2024

3rd Prize in Milan Design Week - China Collegiate Design Competition & Exhibition Top 15% 2024

Project exhibited at the 2023 Ars Electronica Festival Linz, Austria 2023

## EXPERIENCE

Yinen Studio Product Design Intern - Shanghai, China

07/2024 - 10/2024

- Product Design:** Researched product categories and designed proposals for Volvo China's online store, focusing on products that match current consumer aesthetics and incorporating Volvo's design language for brand promotion. The design is set to launch in Spring 2025.
- IP Design:** Transformed Volvo's cartoon mascot "Moose Zhuangzhuang" to appeal to mainstream tastes and created a set of emoticons for wider use.
- Curatorial Design:** Redesigned the exhibition format for the "DOVETAIL" jewelry brand, breaking traditional layout conventions which increased 3000 visitors.

IDEENION Automobil AG Product Design Intern - Gaimersheim, Germany 03/2024 - 08/2024

- Developed concepts and system design for future in-car interactions for Apollo Motors.
- Conducted research at car dealerships and interviewed consumers about in-car interaction preferences. Identified gesture-based mixed interactions as a future trend and designed a gesture control system for the car's air conditioning.
- The proposal was selected and implemented in collaboration with IDEENION, and adopted by Apollo Motors. Expected to be exhibited in April 2025 Automobile Shanghai.

TEND DESIGN Co-Founder & Project Manager & UX Design Lead

10/2023 - 03/2024

- Company Achievement:** Helped a client in the biological materials sector explore material applications, created original concept designs, and won a total of 6 awards, including the Red Dot and IDEA Awards.
- My Contribution:** Responsible for the company's business model and business plan design. As the lead designer, proposed concepts for 3 products, and led testing and design.

Center for Adaptive System Engineering Lab Researcher

10/2022 - 12/2022

Advisor: Yingna Wu, Researcher, School of Creativity and Art, ShanghaiTech University

- Designed the appearance and production line for a metal 3D printer.
- Studied 3D printing principles, tailored the design to student needs, adjusted the nozzle, and optimized the production line for print speed.
- Won 3rd place in the 2022 Innovation and Entrepreneurship Competition at ShanghaiTech University.