



TIFFANY YANG

Industrial Designer

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 Southern California

As a nature enthusiast and designer, I am looking to dedicate my skills towards environmental and sustainable solutions. I strive for purposeful design while designing with empathy towards the user and product life. Much of my inspiration comes from geometry, nature, and the beauty in simplicity.

EXPERIENCE

MTRC Product Design

Feb 2020 - Current

- Implement client feedback in product development, resulting in improved manufacturing efficiency and product launches, such as for PBS Biotech, Surgin, Link4, and Magnitude Lighting.
- Develop prototypes through CNC, 3D printing, lasercutting, and assembly, and perform various testing to analyze industrial assembly, performance, and user experience.
- Quickly adapt to multiple demand-heavy projects simultaneously while meeting presentation, file release, and production deadlines.

Houseables LLC

Dec 2020 - Jan 2025

- Independently developed e-commerce products through conceptualization, 3D CAD, 2D engineering drawings, setting specifications, and material sourcing under financial goals, logistical limitations, and an aggressive timeline averaging 4-5 products ready for prototyping per week.
- Collaborated with colleagues and overseas suppliers to build and test samples according to specifications and create inspection reports used in mass production quality control.
- Aided in project budgeting regularly with CEO and CFO by setting project timelines and determining departmental resource needs monthly and standard operating procedures.

Design Catapult

Feb 2016 - Jul 2019

- Consistently engaged in development process with Industrial Design, Mechanical Engineering, and project management tasks while working directly with clients on a weekly basis, yielding in launched products such as Nuheara IQ Buds and Sofie Biosciences GNext, and NEC's biometric camera system for Delta Airlines.
- Worked in diverse team compositions to design products through hand and digital sketches, renderings, 3D modeling, aesthetic and functional prototypes, and engineering drawings.
- Significantly aided in designing products for manufacture and assembly and streamlining assembly steps by documenting and establishing assembly floor operating procedures.

Trident Case

Dec 2014 - Feb 2016

- Conducted highly in-depth market research and evaluations to set and prioritize user needs, leading to launched products with trending graphics, colors, materials, and finishes.
- Coordinated with engineers, marketing, and sales departments daily to take projects from ideation to production and provide product information and renders for marketing materials.

Consulting Projects

2020 - 2025

Beachably | Branding, website design, social medial, print marketing, product development.

Case Western Reserve University | Illustrations for peer-reviewed scientific publications.

Arboretum and Botanical Garden at Cal State Fullerton | 3D CAD modeling and 3D printing.

Kaur Gray Real Estate | Website design and print marketing.

Salt Vine Wines | Website design.

SKILLS

User Centered Design
Design for Manufacture
Design for Assembly
Ergonomics
Research and Evaluation
Hand and Digital Sketching
3D CAD Modeling
Conceptualization
Engineering Drawings
Model Making
Rapid Prototyping
Prototype Testing
Product Photography

TOOLS

Adobe Photoshop
Adobe Illustrator
Adobe InDesign
Solidworks
Fusion 360
Photoview 360
Carbide Motion
Carbide Create
Bambu Studio
Phrozen ChituBox
MS Office
GSuite
Slack
Asana

LANGUAGES

English
Mandarin Chinese
Japanese (Introductory)

EDUCATION

Appalachian State University Boone, NC

B.S. in Industrial Design, 2014
3.54 GPA | Cum Laude | Deans List

Prague Institute Czechia

Industrial and Graphic Design
study abroad programs, 2013