

Cai Ni | Industrial Designer

Email: caini1@asu.edu

Cellphone: (480)737-6381

Address: Tempe, Arizona

Portfolio: www.cainidesign.com

Overview

I am a skillful and experienced industrial designer who is also interested in business and loves outdoor activities. I am adventurous and outgoing, self-motivated and detail-oriented, I work fast and efficiently. I am good at communication, proficient in interdisciplinary collaboration, and enthusiastic about helping others.

Education

Arizona State University

Tempe, Arizona

- Master of Industrial Design (MID) – Industrial Design
(Scholarship from May 2018 to December 2018)

August 2017 – May 2019

Arizona State University

Tempe, Arizona

- Bachelor of Science in Design (BSD) – Industrial Design
- Bachelor of Art (BA) – Design Management

August 2012 – May 2017

August 2013 – May 2017

Work Experience

NASA Psyche Mission at Arizona State University (In Progress)

Tempe, Arizona

Industrial Designer

January 2019 – Present

- NASA Psyche spacecraft model prototyping and remote-control system developing.
- User experience, app interface, and exhibition interaction design.
- Project development with computer system engineers, electrical engineers, astronomers, and artists.

The Biomimicry Center at Arizona State University

Tempe, Arizona

Graduate Research Assistant

April 2018 – January 2019

- Consulting for the world top tech company in Mountain View, CA, including 3 field trips to the HQ.
- Advanced technology applied project development, biological research, UX and interaction design.
- Brainstorming, sketching, a dozen process prototypes, working prototypes, and functional testing.
- Collaborate with designers, biologists, and electrical/mechanical/material engineers.

The Design School at Arizona State University

Tempe, Arizona

Digital & Print Lab Aide

October 2017 – April 2018

- Instruct and monitor the use of laser cutters, 3D printers, scanners, laser and plotter printers.
- Schedule appointments, charge fees, help students and staff with CAD files and lab machines.
- Operate and maintain all machines, supervised lab environment.

PRC Motorsports

Tempe, Arizona

Manager Assistant

July 2016 – December 2016

- Brand promotion, business card design, and website initialization and development.
- General operating, payments, phone calls, emails, paperwork, customer services and consulting.
- Vehicle purchasing, shipping, parts ordering, cooperating with repair department.

Beijing China Film Marketing at China Film Group Corporation

Beijing, China

Product Design Intern

May 2016 – July 2016

- Film derivative product development for 4 new movies.
- Delivered packaging design of 4 sets of handbags, boxes and styled tape.
- Designed product brochure layout, dozens of company cultural icons, and 3 styles event T-shirts.
- Product industrial manufacturing standard inspection sheet summary.

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Project Highlights

Side Table Design & Fabrication

Fall 2018

- Furniture market research and user persona analysis, human factor and CMF study.
- Designed an elegant streamlined side table through 3 rounds of sketching and ideation.
- Built computer models in AutoCAD and Fusion 360, fabricated wood furniture parts on CNC.
- Assembled and finished through delicate hand craftsmanship.

Magnetic Spice Rack Design & Branding

Spring 2018

- Food and grocery market research, brand comparison and analysis.
- Designed for a particular brand – Simple Truth and matched their design language.
- Completed CMF effect testing in Photoshop and over 40 sketches to try different appearances.
- 3D printed and tested over 20 different study models before developing the final concept.

Medical Coccyx Brace Design

Fall 2017

- Comprehensive research on target users, pain points, potential solutions, as well as materials.
- Interviewed patients who suffered from coccydynia, collected a handful of information and data.
- Prototyped with blue foam to try different sizes based on human factors.
- Performed a high-quality aesthetic CAD model and renderings with Fusion 360.

Skateboard Shoe Design & Prototype

Spring 2015

- CMF research, form and shape ideation through thumbnail and marker sketches.
- Accomplished an appearance prototype after crafting 5 study models.
- Photographed the prototype, created product storyboard, and visual poster.
- Directed and edited a 4 minutes video documenting the entire design process.

Skills

Technical skills: Sophisticated in Adobe Photoshop, Fusion 360, SolidWorks, KeyShot, Adobe Illustrator, Microsoft Office, iMovie. Knowledge in AutoCAD, InDesign, InVision, Rhinoceros, SketchUp, Tableau, Python.

Language skills: Mandarin, English.

Award & Activity

Design Excellence Award Fall 2018

Herberger Institute for Design and the Arts

Global Engagement Studio – The Wellness of the Galapagos Islands.

Chinese Students and Scholars Association (CSSA)

Arizona State University

Minister of Outreach Department

August 2013 – August 2014

- Networking and promoting local businesses and raised over \$5,000 funds for Chinese student events.
- Managed welcome ceremony, basketball and singer competition, and Chinese New Year party.

Passion

Take on adventures, explore the world, broaden horizons, find inspirations, while enjoying life, stay positive and energetic. To be not only a practical and helpful designer, or a successful businesswoman, but also an energetic and adventurous friend that will share a unique perspective of life.

Things that I love:

- Fishing
- Cars
- Travel
- Hiking
- Snorkeling
- Motorcycles
- Road-trip
- Camping