

ELLEN ZHANG

PRODUCT DESIGNER



- CAD, Solidworks & CATIA
- Tool/Mold Design
- Product Renderings
- Animation
- Human-Centered Design Process and Methodologies
- Prototyping & Iteration
- Teamwork & Collaboration
- Adobe Creative Suites
- Design Guidelines & Documentary

CONTACT

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HONORS

Member of Epsilon Pi
Tau (Design and Industry
Honor Society) since
March 2015.

Driven, passionate Product Designer looking for an entry-level position. Proficiency in essential product design and visual presentation skills. Uses balanced thinking, which fosters both technical and creative approaches to challenges.

EXPERIENCE

SmashSolar INC

Jan 2016
- July 2016

Design Intern

- Completed research, concept idea sketches, visual prototyping and implementation of an architecturally integrated solar mounting system design, creating a new aesthetic for residential roof solar panels.
- Created new trim system designs, built on the company's existing products, using 2D and 3D CAD software.
- Generated quality product renderings of new products for launch purposes.
- Produced animations and motion graphics to explain in detail the product's functions and assembly processes.

July 2012
- June 2014

Yanfeng Visteon Automotive Trim Systems Co., Ltd

Mechanical Design Engineer I Tool & EQC Center

- Designed and optimized machines, tools and molds for automotive trim manufacturing, using 3D CAD software (Solidworks, Catia V5) with PDM.
- Effectively utilized technology, including plastic injection, hot press glue and edge folding.
- Developed manufacturing 2D drawings and oversaw teams of technicians in system construction.
- Facilitated communication between suppliers, machine shop and clients to provide efficient tech support.
- Assisted design team management in tracking projects and hours, building design guidelines and maintaining the experience library.

PROJECTS

Sep 2015
- May 2016

The Jolly Trolley-Enhancing the Shopping Experience for Seniors

- Performed research in a seniors' community to address a challenge which prevented them from achieving independence, happiness and well-being: the extreme difficulty for seniors with ambulatory disadvantages in navigating stores with shopping carts, and transporting heavy groceries back home
- Utilized human-centered design process and methodology, such as observation, interview and rapid prototyping to structure this design.
- Deliverables included polished product renderings; a full-size, half-functional prototype; and thesis booklet, which documented the entire process.

Jan 2012
- June 2012

Hexapod Robot

- Designed mechanical parts and prototype for a hexapod robot.
- Performed gait analysis, coding and functional prototyping, which achieved a variety of movements (walking and avoiding obstacles) automatically.

EDUCATION

2016
2012

Master of Arts in Industrial Arts

Mechanical and Automation, Bachelor of Engineering

San Francisco State University

Tongji University