
CINDY ZHANG

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EDUCATION

Northwestern University (Evanston, IL)

2013 – 2017

Bachelor of Science in *Mechanical Engineering*

Cum Laude

Design Certificate – Segal Design Institute

Study Abroad – The Hong Kong University of Science and Technology

RELEVANT EXPERIENCE

Associate Design Engineer - Newell Brands (Chicago, IL)

Aug 2017 – Aug 2018

- Developed beverageware products under the Contigo brand and air fresheners under Yankee Candle for innovation and derivative programs with consumer goods retailers
- Worked closely with domestic and overseas vendors to execute projects, establish standards and address any manufacturability issues from conceptual design to mass production
- Investigated the causes of design issues and developed solutions to improve design for new and existing products
- Proved out feasibility and function of designs utilizing PTC Creo, simulation tools, and fabricated prototypes to determine preferred solutions to technical challenges
- Designed and executed appropriate validation test plans to ensure product performance specifications were met
- Reviewed relevant competitive products to provide benchmarking and analysis of technical specifications
- Collaborated with cross functional teams to ensure successful delivery of projects from concept to production

Mechanical Engineering Intern - S&C Electric Company (Chicago, IL)

Jan 2017 – June 2017

- Designed mechanical components and assemblies such as constant-torque cams and solenoid actuated latches for electric utility switchgear using strength calculations and Solid Edge CAD software
- Modeled and created drafts of existing parts for documentation and to use during technical communication with manufacturers

Toy Design Project - Northwestern University (Evanston, IL)

Jan 2016 – Mar 2016

- Designed and manufactured a plastic injection molded rocket ship toy of 3 fitted parts with a project team
 - Modeled and machined part molds on a CNC mill and manufactured toy parts on an injection molding machine
 - Conducted production run analysis on a batch of 75 parts to determine reliability of design and machine parameters
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SKILLS

- Technical:
- CAD (PTC Creo, SolidWorks, Siemens NX/UG, Siemens Solid Edge)
 - fabrication (3D printing, laser cutting, CNC tools, Arduino, soldering)
 - MATLAB, Mathematica, Granta CES, Java
 - Ableton Live, Adobe Photoshop & Illustrator, Microsoft Office
- Language:
- Mandarin Chinese (conversational)
- Interests:
- Product Design, CAD, mentoring, tech education, music technology
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HONORS/AWARDS

Dean's List (McCormick School of Engineering): 2013-2016 (10 academic quarters)

Engineering Incentive Award (Chicago Engineers' Foundation): 2013-2017 (5 years)