

SKILLS

- **Product Design:** Full New Product Introduction (NPI) process from idea to market
- **Software (ME):** SolidWorks (3D + 2D, renders, configurations, templates), FEA, ePDM, Visio, MiniTab, MS Office Suite
- **Software (SE):** JavaScript, Python, HTML, CSS, SQL, C, Arduino, MATLAB
- **Rapid Prototyping:** 3D printing, CNC, resin cross-sectioning, testing fixtures, proto-tools, proof-of-principal assembly equipment
- **Analysis/Testing:** TSAs, GD&T, CPK Analysis, Keyence, Instron, develop SOPs, run internal panels, develop HUT testing
- **Manufacturing:** Plastic injection molding, die-cast, sheet metal, manufacturing-grade adhesives, machined parts, laser cutting
- **Program Management:** Lead H' STEM DE&I Team, SmartSheet, Gantt charts, organizing and hosting cross-functional meetings

EXPERIENCE



Senior Associate Product Design Engineer, Harry's — New York, NY · Oct. 2021 — Present

- Lead mechanical and electrical development of H' first suite of electromechanical grooming products from ideation through proto tooling.
- Became a team subject matter expert in light pipe design, electromechanical waterproofing design, and button UX tuning.
- Created templates and processes, and taught them to the PDE team to increase efficiency and work traceability: Competitive product teardowns; SolidWorks templating; Design Reviews; DFMEAs; Drawing release SOPs; DFM tracking

Associate Product Design Engineer, Harry's — New York, NY · Oct. 2018 — Oct. 2021

- Designed and brought to market products in the consumer markets, including 5+ completed projects.
- Lead design improvements on 5+ critical-to-function part upgrades in a complex assembly.
- Managed multiple projects with tight timelines and heavy cross-functional cooperation simultaneously from Request for Proposal (RFP) through the design, manufacturing, and ECO processes.
- Worked with CMs and tooling vendors to support and improve existing or developing products.
- Sourced and built design prototypes using 3D printing, casting, molding, sheet metal forming, and machining.



Design Engineer Intern, Vehicle Interiors, Tesla — Silicon Valley, CA · Jan. 2017 — June 2017

- Prototyped improvements on dynamic parts of the Tesla Model 3's center console.
- Reduced production cost and improved ergonomics of existing parts through flexibility, wear-and-tear, and temp. testing.
- Devised and oversaw play testing for the console hinge, trained staff on execution, collected and analyzed data.
- Generated "should-costing" analysis and manufacturability of parts for the Tesla Semi.

EDUCATION

Northeastern University, B.S. Mechanical Engineering, Honors College — Boston, MA · Sept. 2013 — May 2018

Presidential Global Scholar, Dean's List, Dean's Scholarship, Honors Program

Additional Courses:

- **CS50x Introduction to Computer Science Course**, HarvardX/EdX — Online · May. 2021 — April 2022
- **GD&T Fundamentals**, GD&T Basics — Online · July 2020
- **SolidWorks Essentials**, GoEngineer — Online · July 2019

VOLUNTEERING

Crisis Counselor, The Trevor Project — Remote · 300+ hours

- Assisting LGBTQ+ youth in crisis by using empathy, de-escalation, and harm-reduction techniques to counsel anonymous contacts via text and online chat.

Volunteer Farmer (WWOOFing), Hawthorn Farm — Woodinville, WA & Earth Sky Time Farm — Equinox, VT · 650+ combined hours

- Practiced permaculture homestead farming including caring for crops and animals, and preserving food.
- Managed community-supported agriculture program and complex composting systems.

INTERESTS

Amphibian conservation, goat husbandry, hiking and camping (aspiring ADK 46er), acro-yoga, fiber arts