

Wendy Trattner

Education



2017-2021

Massachusetts Institute of Technology

B.S. Mechanical Engineering

Relevant Coursework

- Mechanics and Materials
- Design & Manufacturing I & II
- Dynamics and Controls I & II
- Thermal-Fluids Engineering
- Computation in Python, Matlab
- Full Stack Web Development with React JS
- The Art & Science of Negotiation
- Entrepreneurship in Engineering

Work Experience



Jan 2022-Now

Lunar Energy - Mountain View, CA

Mechanical Design Engineer

Designed thermal and electro-mechanical parts for clean energy product production at scale | Owned plastic and metal parts for low and high volume manufacturing via machining, injection molding, casting, and sheet metal bending | Material selection, simulation, prototyping, testing, vendor selection and coordination | Supported thermal, electrical, and reliability testing.



Jan-June 2021

Gradient - San Francisco, CA

Mechanical Engineer Intern

Designed and tested performance-enhancing (patent pending) components for Gradient's flagship sustainable heat pump product launch | Led various verification & reliability test efforts which informed key product decisions, increased airflow performance, and enhanced product safety.



May-Dec 2020

Embark Trucks - San Francisco, CA

Hardware and Special Projects Intern

Designed autonomous truck components | Led mechanical analysis and implemented company's first design requirements | Onboarded team to Solidworks PDM | Proposed and developed partnerships strategy with C-suite | Defined growth model with Chief of Staff.



Summer 2020

MIT Environmental Solutions Initiative - Cambridge, MA, Remote

Climate Writer

Curated and edited writing for the new MIT Climate Portal, a site for the general public to learn about climate change, explained in nontechnical language by experts.



2019-2020

MIT Computer Science and Artificial Intelligence Laboratory, Distributed Robotics Lab - Cambridge, MA

Soft Robotics Undergraduate Researcher

Designed, fabricated, and tested sensorized handed shearing auxetics for soft robotic gripping | Projects focusing on development of soft, adaptive robotic grippers for applications in recycling/trash management and more.



Summer 2019

Lyft Level 5 - Palo Alto, CA

Mechanical Analysis and Reliability Intern

Designed, analyzed, and tested retrofit camera mounts to minimize sensor vibration | Performed acoustic testing and created company-wide noise requirements and abatement methods for new generation of autonomous vehicles.



2018-2019

Solar Electric Vehicle Team - Cambridge, MA

Mechanical/Aero/Composites Engineer

Designed and optimized driver roll cage for safety and efficiency using SolidWorks | Trained and supported new members | Manufactured crush zone and outer body, performed various composite layups | Secured sponsorship, assisted with public outreach and media.



Summer 2018

Solar Powered Drone Research - Cambridge, MA; Wayqecha, Peru

Photovoltaic Engineer

Designed and built custom solar panels to power an automated quadcopter for rainforest conservation data collection | Tested product in Amazon Rainforest in collaboration with Conservation International | Created written reports to secure further funding and patents.

More about Me



2015-Present

Recreational Poetry, Painting, Rock Climbing, Website Development

My personal website portfolio can be found here: <https://wendytrattner.com/>

Contact Information: ☎ (414) 573-4261 | ✉ wendytratt@gmail.com