

PROFESSIONAL SUMMARY

Experienced in Full Stack Development with JavaScript, React, Python, SQL, and Ruby on Rails. Passionate about data intensive applications, tackling architectural and pipelining problems.. 5+ years industry experience in product design as a Mechanical Engineer contributes to my strong technical prowess as a Software Engineer. I possess innate eagerness to drive elegant solutions, and am accomplished in leading projects with extensive cross-functional collaboration from concept to production release.

TECHNICAL SKILLS

- **Full Stack Development:** JavaScript, React, SQL, Python, Ruby on Rails, Active Record, TypeScript, Node.js, Nest.js, HTML, CSS, Git
- **Program Management:** SmartSheet, Gantt charts, Visio, resource planning, budgeting, hosting cross-functional meetings
- **Mechanical Applications:** SolidWorks, FEA, PDM, MiniTab, Arduino, MATLAB, rapid prototyping, GD&T, SOP development

TECHNICAL PROJECTS

FrogWatch USA Data Collection — [GitHub](#) | [Demo](#)

An improved platform for FrogWatch volunteers to log their data, and for the organization to compile and analyze the data.

- Leveraged Python and SQL to manage relational databases of critical conservation data from community volunteers.
- Developed and implemented dashboard analytics for organization leaders to glean valuable environmental insights.
- Utilized HTML and CSS to apply styling changes for desktop vs. mobile allowing for data collection in the field.

CampNYS — [GitHub](#) | [Demo](#)

A centralized campsite reservation manager for hosts and campers with a custom interactive map, calendar, and email notifications.

- Designed using React, Ruby on Rails, Postgresql, GoogleMaps API, EmailJS, React Date Picker, and Material-UI.
- Strengthened user login and data security through the use of cookies, validation, and verification measures.
- Leveraged Active Record serializers and custom methods to create complex relationships in database models.

Hiking Challenge Tracker — [GitHub](#) | [Demo](#)

An interactive data management site for hikers to track their progress towards their unique hiking challenges.

- Incorporated React client-side routing, hooks, components, props, and state management to keep code DRY.
- Utilized JavaScript and JSON Server to store and track user information with a RESTful API and an MVC database.
- Rendered data visually through react-minimal pie charts that live-update with user data as it is imputed.

PROFESSIONAL EXPERIENCE

Senior Product Design Engineer & Associate Product Design Engineer | Harry's | NYC , NY

2018 — 2022

- Led mechanical and electrical development of the company's first suite of electromechanical grooming products.
- Designed and launched products using injection molding, die-casting, and sheet-metal manufacturing methods.
- Created and launched 10+ original templates and processes to increase work efficiency and traceability.
- Program Managed DE&I Education and Awareness Initiative with team of 10; 3 events serving 100+ people.

Design Engineer Intern, Vehicle Interiors | Tesla | Palo Alto, CA

January 2017 — June 2017

- Prototyped improvements on dynamic parts of the Tesla Model 3's center console and cup holder components.
- Reduced production cost and improved ergonomics of existing parts via extensive testing and SOP development.

Volunteer Crisis Counselor | The Trevor Project | Remote

2019 — Present

- Empowering LGBTQ+ youth in crisis through 450+ hours of emergent counseling via online chat services.
- Fostering a safe environment for 500+ contacts using empathetic de-escalation and harm-reduction techniques.

EDUCATION

Flatiron School

Remote

Full Stack Web Development, Ruby on Rails and JavaScript program

2022 — 2023

Northeastern University, Honors College

Boston, MA

B.S. Mechanical Engineering — Honors: *Global Presidential Scholar, Dean's List all semesters*

2013 — 2018