PRESTON HILL

Houston, TX
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Portfolio: *https://chewy441014.github.io/portfolio/*

SUMMARY

Full Stack Web Developer with a background in Mechanical Engineering and a life-long love of math. Effective at evaluating problems and complex issues to find elegant algorithmic solutions. Known for breaking down problems intuitively and for being well organized and methodical.

TECHNICAL SKILLS

Languages: Node.js, Express, MongoDB, Javascript, HTML, CSS, Python, Matlab

PROJECTS

Park Picker | https://github.com/chewy441014/trail-picker |
https://chewy441014.github.io/trail-picker/

- *This web app helps plan camping trips by connecting user search queries to national parks sorted by distance from user location. Displays directions, weather info and park details for any park selected from the results.*
- *Developed the API calls, and sorting data.*
- *Javascript, JQuery, Bulma*

EXPERIENCE

Robot Technician   2022 – 2022
Starship Technology   Houston, TX
Repaired and maintained the Starship robots at University of Houston and in the greater Texas region. Worked on an international team to detect, understand and resolve electro-mechanical issues and opportunities for improvement.

- *Improved the robot health of the Houston robots from 75% to 100% four weeks after starting.*
- *Re-organized the Houston operations facilities and streamlined numerous day-to-day processes.*

Service Engineer   2019 – 2021
Anton Paar   Houston, TX
Repaired, adjusted, calibrated and maintained laboratory equipment manufactured by Anton Paar. Utilized a breadth of knowledge from chemistry and electro-mechanical systems to customer service and technical communication in day to day tasks.

- *Earned the coveted 'Service Engineer of the Month' among US Service engineers four times.*
- *Certified for service engineer on nine types of lab instruments, spanning food, pharmacy, oil & gas, and manufacturing industries.*

EDUCATION

Boot Camp Certificate: *University of Texas, Austin, TX*

A 24-week intensive program focused on gaining technical programming skills in HTML5, CSS3, Javascript, JQuery, Bootstrap, Firebase, Node.js, MySQL, MongoDB, Express, Handelbars.js, and ReactJS.

Master's Degree of Mechanical Engineering: _UCLA, Los Angeles, CA_
Bachelor's Degree of Mechanical Engineering: _Rice University, Houston, TX_