

PRESTON HILL

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SUMMARY

Full Stack Web Developer with a background in Mechanical Engineering and a life-long love of math. Check out my portfolio for details on my recent graduation from the University of Texas Flex-Coding Bootcamp!

EXPERIENCE

Robot Technician Starship Technology

2022 – 2022
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.*
- *Maintained robot health of all robots above 95% for the majority of operating hours.*
- *Re-organized the UH, UTD and SMU operations facilities and streamlined numerous day-to-day processes.*

Service Engineer Anton Paar

2019 – 2021
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 'Service Engineer of the Month' award among US Service engineers four times.*
- *Certified for service engineer on five types of lab instruments, spanning food, pharmacy, oil & gas, and manufacturing industries.*

Lead Student Computing Consultant Rice University IT Dept

2013 – 2017
Houston, TX

Hire and train new student computing consultants in troubleshooting, basic IT processes and customer service and technical communication. Maintain local servers for backing up and recovering data from hard drives.

- Help students, faculty and staff with a diverse range of IT issues including: virus removal, software installation, account issues, network connection, and hardware replacement for laptops.
- Developed a dashboard and time management overview for employee scheduling and management (HTML, MySQL, Python, Git).

EDUCATION

Boot Camp Certificate: University of Texas, Austin, TX. Grad Dec 2022

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; Grad May 2018

Bachelor's Degree of Mechanical Engineering: Rice University, Houston, TX; Grad May 2017