Preston Hill

Phone: 281 368 7801
Email: preston.leon.hill@gmail.com

WORK EXPERIENCE & PROJECTS

Robot Technician   01/2022 – Present
Starship Technology, Houston Texas
- Efficiently and effectively perform repairs, calibrations and technical support for 31 Starship Robots servicing the UH Campus.
- Evaluate root cause analysis for failure modes and provide feedback to manufacturing.
- Update robot hardware with newest versions of electronics and mechatronic systems.

Service Engineer   04/2019 – 10/2021
Anton Paar USA, Houston Texas
- Efficiently and effectively performed laboratory instrument repairs, calibrations and customer support both in the field and in Houston.
- Lead other engineers in organizational and procedural changes for optimizing operations and customer service experience.
- Organized and managed asset calibrations in SAP.
- Developed automation strategies for improving customer response rate to surveys and customer experience.

Senior Design Project   08/2016 – 05/2017
Rice University, Houston Texas
- Developed a novel actuation test bed for NASA, analyzed data from the test bed to perform stability and controllability studies.
- Created 3D CAD models in Solidworks to aid in manufacturing the test bed.
- Supported the development at each step: prototyping, investigation, manufacturing, coding and testing.

EDUCATION

Bachelor Degree of Mechanical Engineering   2013 - 2017
Rice University

Master Degree of Mechanical Engineering   2017 - 2018
University of California Los Angeles

SOFTWARE SKILLS

ROS, C++, Matlab, LabView, Python, Git, Solidworks, AutoCAD