AUSTIN JARVIS

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Redwood City, CA

EXPERIENCE

Auris Health   Redwood City, CA   Jul 2019 – Current
Manufacturing Test Engineer
- Led procurement and qualification for $2 million worth of equipment/tooling to double output in 5 months
- Lead troubleshooting, continuous improvements, duplication, and line support for six end of line automated test systems
- Lead equipment preventative maintenance activities for production line
- Manage one intern and one technicians tasks and career development
- Lead outsourcing of soldering and subassembly process to contract manufacturer
- Support root cause analysis for production non-conformances for electronic components
- Leading development to create manufacturing data dashboard

West Coast Surgical   Half Moon Bay, CA   Aug 2016 – Jun 2019
Manufacturing Engineer
- Implemented conveyor system to automate removal of components from CNC machine
- Led fixturing project enabling CNC machine to run 16+ hours without human intervention
- Led Passivation Process Validation
- Creating manufacturing process and inspection instructions for all high production assemblies
Junior Engineer
- Wrote and carried out test protocols in response to design changes and design verification
- Worked with surgeons to develop initial concepts of custom surgical instruments

Edwards Lifesciences Irvine, CA   Jan 2015 - Aug 2015
R&D Co-op Engineer
- Supported R&D feasibility efforts for a next generation expandable sheath
- Wrote procedure and developed test methods for design verification testing

University of the Pacific   Stockton, CA   Aug 2015 - Dec 2015
Mechanical Engineering Teaching Assistant
- Led groups of 3-4 students in Manufacturing Lab by teaching them how to use shop safety

EDUCATION

Master of Science in Data Science   May 2019
    University of the Pacific**,** San Francisco, CA

Bachelor of Science in Mechanical Engineering   May 2016
    University of the Pacific**,** Stockton, CA

SKILL S/SOFTWARE

- SOLIDWORKS
- Python
- R
- SQL

- 3D Printing
- Manual Milling and Turning
- Data Analysis
- SAP

- Data Visualizations
- Machine Learning
- Data Wrangling
- Agile/Agile PLM

NOTABLE PERSONAL PROJECTS

- Rebuilt motor, steering column, suspension and electrical system in 1969 Chevrolet C10
- Designed and manufactured custom bed and headache rack for 1972 GMC C3500
- Restoration of 1971 Datsun 510, including rust repair, custom welded fabrication, body work, interior carpeting and 2 stage paint
- Identified electric vehicle owners based on hourly electricity usage using machine learning
- Made open source autonomous 1/10 scale RC car based on raspberry pi and python.
- Designed and Manufactured 3D printer capable of printing complex cylindrical shapes on a rotating cylinder. Awarded 1st place for ME Senior Project