

## AUSTIN JARVIS

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### EXPERIENCE

Noah Medical | San Carlos, CA Mar 2021 – Current

#### *Senior Manufacturing Systems Engineer*

- First Manufacturing Engineer at startup developing the next generation of medical robotics
- Developing robotic test system, including requirements, hardware design, software configuration, data processing, and calibration
- Developing all manufacturing documentation, including MPI's, DHR's, and pFMEA's

Auris Health (Acquired by Johnson and Johnson) | Redwood City, CA July 2019 – Mar 2021

#### *Senior Manufacturing Test Engineer*

- Led troubleshooting, duplication/installation (Hardware/OS/Software/Firmware), continuous improvements, and product dispositions for 12 end of line automated test systems
- Mentored junior engineer through facility transfer (IQ/OQ/PQ/PPQ) and technician to develop skills such as 3d printing and troubleshooting custom equipment with software

#### *Manufacturing Test Engineer*

- Developed manufacturing data dashboard for test results and present it cross-functionally
- Designed custom fixtures to improve production processes, examples include a pneumatic leak test fixture which improved yield by 2% and a UV cure enclosure to improve operator safety
- Led team in bring up of new manufacturing facility including developing equipment tracking list, procuring all equipment (380 unique items), and qualifying equipment (125 items)
- Led outsourcing of soldering and subassembly process to contract manufacturer, including technical development, process qualification, drawing updates, and process instruction updates

West Coast Surgical | Half Moon Bay, CA Aug 2016 – Jun 2019

#### *Manufacturing Engineer*

- Provided DfX feedback and implemented design changes based on manufacturability
- Provided line support for a wide range of mechanical assemblies and processes such as laser marking, passivation/cleaning, heat treatment, deburring, and quality inspection
- Implemented conveyor system to automate the removal of components from CNC machine
- Led Passivation Process Validation from CAPA and presented without question during an audit

#### *Junior Engineer*

- Initiated design changes and wrote/executed test protocols to verify them

Edwards Lifesciences | Irvine, CA Jan 2015 – Aug 2015

#### *R&D Co-op Engineer*

- Supported R&D feasibility efforts for an expandable sheath including V&V protocol development

### 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

### SKILLS/SOFTWARE

- |              |                    |                       |                    |
|--------------|--------------------|-----------------------|--------------------|
| • SOLIDWORKS | • SQL              | • Data Visualizations | • Machine Learning |
| • Python     | • 3D Printing      | • Data Analysis       | • Data Wrangling   |
| • R          | • Manual Machining | • SAP                 | • Agile PLM        |

### NOTABLE PERSONAL PROJECTS

- Built PC with compatible hardware and ability to boot in MacOSX, Windows, or Linux
- Identified electric vehicle owners based on hourly electricity usage using machine learning
- Made an open-source autonomous 1/10 scale RC car based on raspberry pi and python.
- Designed and Manufactured a 3D printer capable of printing complex cylindrical shapes on a rotating cylinder. Awarded 1<sup>st</sup> place for ME Senior Project
- Rebuilt motor, steering column, suspension, and electrical system in 1969 Chevrolet C10