AUSTIN JARVIS

austinjarvis2@gmail.com | 925.413.2651
Redwood City, CA

EDUCATION

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

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

DATA SCIENCE SKILLS

- Python
- R
- SQL
- D3.js
- Hadoop
- Git
- Machine Learning
- Data Wrangling
- Data Visualizations
- Artificial Neural Networks
- Time Series Analysis
- Bayesian Statistics
- Frequentist Statistics
- Linear Algebra
- Calculus

- Develop Supervised and Unsupervised Learning Models
- Generate static and dynamic visualizations for data exploration and storytelling
- Customer Analytics projects include customer churn and sentiment analysis
- Proficient with Pandas, NumPy, SciPy, scikit-learn
- Familiarity with AWS EC2, Keras, xgboost, MongoDB, Cassandra, API's, MapReduce

CAPSTONE

Objective: Identify customers with electric vehicles based on hourly electricity usage

- Manipulated over 4 million rows of data into usable shape for machine learning model
- Created visualizations for data exploration and to identify electric vehicle owners
- Developing a neural network to identify customers with electric vehicles

EXPERIENCE

West Coast Surgical — Half Moon Bay, CA — Dec 2018 – Current
Manufacturing Engineer

- Implemented conveyor system to automate removal of components from CNC machine
- Led fixturing project allowing CNC machine to run 16+ hours without human intervention
- Improved return evaluation process to allow for trending analysis
- Creating assembly and inspection instructions for all high production assemblies

Junior Engineer — Sep 2016 - Dec 2018

- Led project design and risk management activities from concept to production
- Led engineering corrective and preventative actions activities
- Modified existing products designs and conduct risk evaluations
- Worked with surgeons to develop initial concepts of custom surgical instruments
- Wrote and carried out test protocols in response to design changes and design verification

Edwards Lifesciences — Irvine, CA — Jan 2015 - Aug 2015
R&D Co-op Engineer in Transcatheter Heart Valves

- Supported feasibility efforts for a next generation expandable sheath
- Wrote procedure and developed test methods for design verification testing
- Prototyped and tested multiple designs for use with Transcatheter Heart Valves
- Coordinated and worked with suppliers who provided raw materials