

Devin Link

Data Scientist

Littleton, CO

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[GitHub /Devinml](#)

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TECHNICAL SKILLS

Python: Pandas, NumPy, SciPy Stats, Matplotlib, Seaborn, Scikit-Learn, Keras

Big Data: AWS EC2, AWS S3, Spark

Data Science: Statistics, machine learning, regression models, decision trees, random forest

Other: SQL, Git, GitHub, VScode, Docker, Agile development, Web Scraping, Natural Language Processing

PROJECTS

[Mountain Bike Price Analysis](#) | Tech used: Python, Pandas, Matplotlib, Web Scraping, Statistics

- Analyzed the correlation between mountain bike wheel size and listing price
- Scraped over 5000 listings to collect a dataset

[Human Activity Recognition](#) | Tech Used: Python, Pandas, Matplotlib, Scipy, Sklearn, Numpy

- Applied a Random Forest Classifier, to identify human activity based on acceleration data from a smartphone
- Featurized the data using advanced engineering signal processing approaches and statistics to increase my model from 91% F1 score using just statistics to 94% F1 score

[Human Activity Recognition on R-pi](#) | Tech Used: Python, Pandas, Linux, Scipy, Sklearn, Numpy

- Implemented the model from Human Activity Recognition onto a Raspberry Pi computer to predict movements using live data [Video Link](#)

PROFESSIONAL EXPERIENCE

Pipeline Integrity Engineer - Sinclair Oil Company

Jan 2019 - Apr 2020

- Managed pipeline integrity of 1100 miles of pipe
- Kept integrity management manuals up to date
- Analyzed anomaly data to ensure pipe met or exceeded minimum requirements

Field Service Engineer - Dresser Rand/Engineuity

May 2017 - Jan 2019

- Analyzed combustion data using Excel on large bore natural gas compressors to reduce emissions and to improve reliability of the engines
- Commissioned high pressure fuel injection systems for large scale industrial engines
- Assisted in management of construction of multi-million dollar projects by redesigning the parts ordering system which reduced time in implementing projects and saved money on redundant orders
- Led teams of electricians and millwrights to complete projects on time and within budget

Engineer - Pearl Harbor Naval Shipyard

Aug 2016 - May 2017

- Maintained rotating equipment on US Navy submarines by analyzing data to determine health of engines and equipment which resulted in saving money on repairs
- Led teams of maintenance crews to finish projects on time and within budget

EDUCATION

Galvanize Data Science Immersive | Denver, CO

Sept 2020

12-week intensive Python-based curriculum with 700+ hours of coding, covering best practices in machine learning, statistical analysis, natural language processing, and data visualization

BS Mechanical Engineering | Colorado State University, Fort Collins CO

May 2016