Yung Han Jeong

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Experience

Mechanical Engineer – PowerFleet, Inc (PWFL) February 2017 – April 2020

- Developed automated data collection and analysis process for efficient product testing and analysis.
- Formulated mathematical models for prototyping and executed variety of field test.
- Executed engineering documentation control and implemented automated scripts to reduce document processing time.
- Lead and consolidated product testing with engineering standards such as MIL-STD, SAE, and ISO

Manufacturing Solutions Engineer - *AMS CAD + CAFM Solutions* Nov 2015 – Feb 2017

- Document application process and workflow and maintain Standard Operation Procedures (SOP)
- Demonstrated effect presentation and communication skills through performing webinar and sales support

Projects

Chassis Axle Strain Sensor PWFL 2019 – 2020

- Led new product investigation through research, reverse engineering, and concept designs.
- Developed mathematical model for prototype testing using Python with numpy, simpy and matplotlib

King County Housing Price Prediction Flatiron 2020

- Performed exploratory data analysis (EDA) on real estate data for modeling and visualization using Python with pandas, matplotlib, seaborn, and folium.
- Successfully implemented multiple linear regression model to predict using Python with sklearn, statsmodel, pandas, and numpy.

Digital Accelerometer Sensor PWFL 2018 – 2019

- Automated device testing and signal collection through combined digital and analog systems.
- Filtered and statistically analyzed sensor output using Python with pandas, numpy, and matplotlib.
- Implemented series of statistical testing and industry compliance process for production readiness.

TEDxTCNJ Taking a Journey to Nowhere May 2015

- Created music signal processing model using MIDI data with MatLAB to create novel music
- Demonstrated effective public speaking and authored engaging presentation

Education

Flatiron School, Manhattan Campus Fall 2020
Data Science Immersive

- Demonstrated Python efficiency by implementing libraries such as Scikit-learn, pandas, numpy, and matplotlib through project and course work.
- Developed machine learning models using Python with Scikit-learn and Statsmodel libraries.

The College of New Jersey Ewing, NJ 08628 Class of 2015
Bachelor of Science in Biomedical Engineering, *Mechanical Concentration*

- IEEE Publication: *Optimizing Mandibulomaxillary Plate Fixation by Computerized Simulation*

Related Skills and Information

- U.S. Citizen
- Python Certification – HackerRank, LinkedIn
- English and Korean bilingual