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