Fu-Ti Hsu

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EDUCATION:

University of Connecticut School of Business   Hartford, CT
Master of Business Analytics and Project Management   GPA:3.764   May 2017
Introduction to Project Management: A, Predictive Modeling: A
Process Modeling and Data Management: A, Data Mining and Business Intelligence: A
Visualization Analysis(Tableau): A-, Data Analysis using R: A-, Big Data Analysis with Hadoop: A-

National Cheng Kung University   Tainan, Taiwan
Master of Mechanical Engineering   Aug 2013
- Majored in heat energy and fluid mechanics
- Focused my Research of graduation thesis on the investigation of efficiency enhancement of absorption refrigerator system

National Tsing Hua University   Hsinchu, Taiwan
Bachelor of Engineering and System Science   Jun 2011
- Majored in material science and nuclear engineering

EXPERIENCE:

Taiwan External Trade Development Council   Taipei, Taiwan
Data Project Manager   Mar 2018 -Current
- Established ensemble learning predicting growth rate of Taiwan's export values to each overseas markets(Overseas Potential Markets Recommendation Project)
- Establishing overseas buyers recommender system via association rules of supply chain
- Data Collection/Cleaning/Integration/Visualization
- Provided data analysis services for Bureau of Foreign Trade, associations and companies.

Laboratory of Fragrance and Perfume   Taipei, Taiwan
Data Analyst   Dec 2017- Feb 2018
- Established recommender system with association rules for perfume matching
- Established machine modeling for digging business insights and optimizing business modes
- Data cleaning/ visualization

ACADEMIC PROJECTS:
- Capstone Project of LAZ Parking   Dec 2016
- Visualization and Text Mining using R   Apr 2016
- Bird Strike Data Visualization using Tableau   Jun 2016

TECHNICAL SKILLS:
- Mechanical drafting: SOLIDWORKS
- Tools: Python, R, MS SQL, Excel, JMP11 PRO, Visio 2013, SAS, Tableau
- Web Framework: Django
- Data Analytics Skills: Classifier, Cluster Analysis, Regression, Reinforcement Learning, Association Rules, Artificial Neural Network
- Data Scraping: Python-Request, Python-Beautiful Soup
- Data Cleaning: Python-Numpy, Python-Pandas
- Visualization: Python-Folium, Python-Matplotlib

CERTIFICATE/Competition
- SAS Base Programming for SAS 9   Issued on Dec 2016
- Kaggle Competition-House Prices: Advanced Regression Techniques: Best Rank 33% 1320/4054

PUBLICATION
First Author
Graduation Thesis of Mechanical Engineering in National Cheng Kung University: Aug 2013
Investigation of Absorption Rate Enhancement by Controlled-disturbance on Aqueous LiBr Film Flowing over of a Flat Plate Absorber