

Choo, Chee-Keong

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github.com/Kevin-Choo/kevinchoo_portfolio, www.linkedin.com/in/choo-chee-keong

Education

Thomas Edison State University
MSc, Data Science and Analytics (4.0 GPA)

2019 Nov-2022 Mar
New Jersey, US

A.T. Still University School of Osteopathic Medicine
MSc, Medical Informatics (4.0 GPA)

Mesa, US

National Taiwan University
BSc, Agronomy and Statistics (3.0 GPA)

Taipei, Taiwan

Work Experience

UPS, Senior I.T. Analyst/Technician

2008-current

- Successfully executed data preparation tasks, including EDA, integration, outlier identification, missing value handling, and data type conversion, resulting in 100% customer satisfaction for use in UPS WorldShip shipping system
- Conducted advance ad-hoc and ongoing analysis of shipping charges discrepancies with customers by comparing charges from UPS Billing Center with charges from customer accounting databases. Successfully identified and saved \$48,000 annually through these efforts.
- Implemented hundreds of database integration between multiple enterprise ERPs (e.g. Fishbowl, Quickbook, Sage 300) and UPS WorldShip, using CSV integration in high-security situations.
- Diagnosed and resolved SQL query issues for customers on a weekly basis via a discussion group, successfully resolving over 5 cases since November 2022.
- Escalated support desk tickets to third level in the most crucial circumstances after exhausting all knowledge base options to resolve issues and considerable time had been spent on a single ticket
- Performed enterprise large scale internal/external customer PCs/servers replacement, replaced over 100 PCs and 20 servers each life cycle and at least one month ahead of schedule

An-An Disposable Sdn. Bhd., Operation/Quality Assurance Supervisor

- Developed, translated, and implemented several standardized operation processes to include local regulations for the factory and stream lined the production within the first month of operation
- Provided multiple continuous improvement training for employees namely lean production, 5S, TPM, TQM, and successfully increased productivity by 10%
- Performed SWOT (Strengths, Weaknesses, Opportunities, Threats) for the Quality Assurance and the Operation department, increased awareness of the local factors that go into making business decisions for the local environment
- Carried out BI analysis for local environment and planned departmental budget according to the results of the BI analysis
- Sampled and analyzed products collected from active production line using statistical methods and traced back to the source of the issue and made correction to the error to reduce waste and improve quality in real time

Fuburg Industrial Co., Management Trainee

- Participated and acquired certifications in continuous improvement training programs from CPC (China Productivity Center). Training program included 5S, TPM, TQM, problem solving, and 6 sigma

National Taiwan University Lab of Quantitative Genetics, Lab Assistant

- Commercial watermelon species identification using PCR technique. Seeds provided by Known-You co. Ltd. Taiwan
- Sorghum genomic project – construction of RFLP genomic maps of multiple sorghum species for plant breeding purpose

Data Science Projects

[PIMA Native American Diabetes Prediction and Causal Inference Analysis](#)

- Created a tool that predict diabetes status for Native American tribe and performed causal inference analysis to explain the cause of high percentage diabetes proportion among Native American tribes.
- Developed in Python, Scikit-Learn, Seaborn, Matplotlib, DoWhy and deployed using Pycharm and Flask

Skills and Technologies

- Python, MySQL, VBScript, Tableau, XLMiner, Streamlit, Statistics, Design of Experiments, TensorFlow, Keras, Matplotlib, Numpy, Seaborn, Time Series Forecasting, Risk Analysis, Natural Language Processing, Causal Inference