Lai Jien Weng

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Career Aspirations

Aspiring **Data Scientist** eager to bring expertise in **data analytics, machine learning, statistics** and **AI** to drive impactful insights and strategic solution in a dynamic organization.

Education

Universiti Tunku Abdul Rahman (UTAR) Oct 2022 – Present

BSc. (Hons) Applied Mathematics with Computing

- First Class Honour Degree
- **Coursework:** Statistics, Machine Learning, Operations Research, Artificial Intelligence, Cloud Computing, Calculus, Linear Algebra

Experience

Data Engineer (Intern), Great Eastern – Kuala Lumpur Oct 2024 – Present

- Increased **50%** efficiency of database matching algorithms by **optimization techniques**
- **Enhanced data query performance** by implementing parallel processing, achieving up to an **8x** increase in speed
- Automated content extraction from Excel files using Python to streamline data processing and analysis
- Applied machine learning techniques for text analysis to derive insights and improve data classification.

Professional Affliations

IBM Data Science Professional Certificate Jun 2024 – Oct 2024
IBM

Anaconda Python for Data Science Professional Certificate May 2024 - Jun 2024
Anaconda Inc.

NLP with Python for Machine Learning Essential Training May 2024 – Jun 2024
National Association of State Boards of Accountancy (NASBA)

Google Data Analytics Professional Certificate Mar 2024 – Jun 2024
Google

Projects

Bellabeat Market Insights & Customer Segmentation github.com/JienWeng

- Analyzed FitBit user data to identify trends, providing actionable insights for targeted marketing and product enhancements.
- Developed personalized recommendations and proposed features to address sleep issues and improve user experience.
- Tools Used: R, RMarkdown, Tableau, SQL

Competitions

Data Science Digital Race, UM | Leader & Finalist Sep 2024

Google Workspace Hackathon, APU | Leader Jul 2024 - Aug 2024

Skills

Languages: Python, R, SQL, HTML, CSS, JavaScript, Java

Software: PowerBI, Tableau, Git, Jupyter Notebook, Pandas, Scikit-Learn, Numpy, Tensorflow, Apache Spark, HiveSQL, HDFS, MySQL, Apache Zeppelin, Apache Hue, MS Office