

Daing Irfan

AI / ML Engineer



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Singaporean



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github.com/dmirfan/Portfolio Projects

Summary

Data-driven and detail-oriented professional with experience in financial consulting and strong background in engineering. Familiar with programming languages such as C, C++, Python, R and Java. Skilled in data analytics, data visualization, machine learning, and deep learning projects. Seeking a role in Data Science to leverage my technical expertise and contribute to data science projects.

Skills

- Hypothesis Testing
- Classification Models
- Regression Models
- Recommender System
- Scikit Learn
- TensorFlow
- PyTorch
- Natural Language Processing (NLP)

Experience



Data Science Immersive Project Student General Assembly

May 2023 - August 2023

- Use Data science tools and techniques, working in a programming environment to gather, organize, and share projects and data on Git / GitHub and UNIX. Strong coding skill in Python.
- In Project 1, LTA Riderships vs Rainfall in Singapore, leverage Pandas to apply advanced NumPy and Python skills cleaning, analyzing, and testing data from multiple data sets. Performed exploratory data analysis.
- Generate data visualisation and statistical analysis, using Python and its associated libraries and tools to approach problems in fields like finance, marketing, and public policy.
- In Project 2, HDB Resale Pricing, effective study, design and model evaluation with optimization. Used scikit-learn and StatsModels to run linear regression, Ridge and Lasso.
- In Project 3, Sub-redit NLP study, collected and connected external data to add nuance to models using web scraping and APIs. Used scikit-learn and StatsModels to run logistic regression, random forest, Naives Bayes and other classification models and learn to evaluate model fit.
- Built machine learning models. Explore the differences between supervised and unsupervised learning via clustering, natural language processing, and neural networks (CNN & RNN) and Keras. Explore vectorisation such as CVEC, N-grams, TF-IDF and models Naives Bayes and KNN Classification.
- Models in Spark Pipelines & GridSearch in Spark SQL, recommender Systems, SVM and GLM



Financial Consultant Finexis Advisory

October 2021 - May 2023

- Managed and serviced client portfolios exceeding 200k SGD in equities and bond funds. Worked independently and utilise tools to manage private investment management, financial risk management, wealth accumulation (accredited investors), legacy planning, and corporate solution advisory.
- Excellent attention to detail and clearly communicate with stakeholders or clients on optimizing their portfolio and risk management / exposure.
- A strong team player who demonstrated strong communication skills and analytical skills when comes to problem-solving in their finance and risk related metrics Use data-driven solutions and recommender systems through A/B testing on investment and insurance products.
- Has good work ethics and collaboration skills through experience working with cross-functional teams from other financial institutions. Excellent presentation skills to drive insights which solve business problems.
- Clients investment portfolio are in best practice documentation, for example implementing version control, to track individual stakeholder's KPIs.
- Self-start a project by bootstrapping a website using HTML and CSS to generate leads for the team.

Experience

Associate Cognizant

July 2018 - May 2021

- Deployed into DFS as Technical Analyst in the DWBI Team and POS UI/UX Testing Team
- Deployed into UBS as Digital Specialist in the Global Reconciliation Utility Team

Global Reconciliation Utility UBS

June 2020 - May 2021

- Excellent teamwork in group functions. I am part of various capital markets operations functions ranging from Client lifecycle Management, Data Management
- Compliance Operations, transaction processing which includes trade booking, clearing, trade confirmation, post trade settlements, collateral management
- Nostro break investigation & resolution, inter-system reconciliations and claims working in an extremely high risk, time critical and dynamic atmosphere dealing with a broad spectrum of clientele with unique requirements. Great interpersonal skills to manage stakeholders. Deals with large-scale real-time data on TLM

Technical Analyst DFS Group

October 2018 - Jun 2020

- Data Warehouse and Business Intelligence (DWBI) experience in IBM Netezza Data warehousing using SQL MicroStrategy BI for dashboards analytics and data testing.
- UAT SIT and Functional Testing on POS system
- Use JIRA and Confluence for bug tracking and project management tracking.
- Experience in ETL

Education

National University of Singapore

2014 - 2018

- Bachelor of Engineering (B.Eng.) Electrical Engineering
 - Strong programming skills in C Language
 - Probabilistic models with Statistical learning & Analysis
 - Hypothesis Testing using T-test
 - Probability Distributions
 - Decision trees

Temasek Polytechnic

2018 - 2020

- Advance Diploma in Financial Analytics
 - Business Intelligence Fundamentals / Fintech & Financial Services
 - Data Analytics in Financial Services
 - Strong analytical skills in EDA exploratory data analysis
 - Time series forecasting
 - Tableau and Power BI

Certifications

Machine Learning with Python - IBM

2023

- Issued Jun 2023
- Credential ID 3QF6S3T3Q5QK

Python for Data Science, AI & Development - IBM

2023

- Issued Jun 2023
- Credential ID A8BNLYQKC7X7

Data Science Methodology - IBM

2023

- Issued Jun 2023
- Credential ID DRU3AJ5NDRXK