

DAPHNE DOMINGO

DATA SCIENTIST | PROJECT & TENDER MANAGER

PROFILE

I am a strategist always looking for innovative ways to improve systems and processes by harnessing the power of data.

In my decade-long experience as a process engineer and a project manager, I acquired key competencies that I now bring to the table. My data skills complement deep domain expertise in the energy, sustainability, and water sectors. I leverage my strong grasp of the technical, operational, and financial aspects of the business to provide valuable insights into complex business problems.

I am keen to join an organisation that provides opportunities to solve practical problems and create impacts that benefit society.

CONTACT DETAILS

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SKILLS AND ABILITIES

- Python including packages like Pandas, Numpy
- Machine Learning
- Scikit-learn
- Neural Networks
- TensorFlow and Keras
- Git and Version Control
- Web Scraping
- Visualization using plotting libraries
- Tableau
- SQL
- Project Management
- Proposal Development
- Stakeholder Management
- Google Apps Scripts and VBA Macros

OTHERS

- Fluent in English, Japanese, and Filipino
- Experience delivering projects and managing remote teams across APAC including Australia, Japan, Indonesia, Vietnam, and India.
- Volunteer work as a project manager in typhoon relief operations

NOTABLE PROJECTS

Tennis Win Probability Prediction

Python | Ensemble Modelling | DevOps | Flask | Streamlit.io | Tableau

- Data cleaning and conducted EDA with visualisation using Tableau
- Conducted feature engineering to create the predictor matrix
- Developed customised transformer class for individual base-estimators
- Used different models for prediction using different subsets of the predictor matrix
- Used mlxtend library to use pre-fitted base models in the ensemble model
- Deployed the app using Streamlit.io and created a dashboard on Tableau

Job Salary and Title Prediction Using Machine Learning

Web Scraping | NLP | Machine Learning Classification Techniques

- Scraped job search platform Seek.com.au to retrieve data
- Used Natural Language Processing (NLP) and classification models to predict salary and job title based on job ad details.
- Visualised results using matplotlib and seaborn

Property Sale Price Prediction

Python | Regression Using SKLearn | Visualisation

- Feature selection and feature engineering
- Implemented regression techniques to develop different models
- Conducted a comparative analysis of the different models
- Visualised findings and drafted a report translating results

CAREER NARRATIVE

Project & Tender Manager (2018-2021)

Green Guys Solar | Sydney

- Developed tools to standardise processes and automate tasks increasing process efficiency.
- Performed data-driven plant performance analysis and reporting.
- Successfully managed EPC projects leading to capturing new business from existing clients.
- Converted leads to wins, through tender responses and repeat business.

General Manager & Founder (2013-2018)

Sulo Renewable Energy Solutions | Manila

- Led the company to turn profit on our first year.
- Successfully managed EPC projects in remote communities; record of 90% on-time and 100% under budget execution despite logistical challenges.
- Established roadmap for IoT applications in energy management projects.

Process Engineer (2008-2013)

Toshiba Water and Environmental Engineering Centre | Tokyo

- Managed generation of carbon credits and prepared carbon reduction reports based on plant operations data.
- Increased project handling efficiency by designing and implementing automated calculation system from raw SCADA data.