
ANGELA JACINTO

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EDUCATION

University of Asia and the Pacific - Bachelor of Science in Business Administration major in Management

University of Western Australia - Master of Data Science

Skills

Business & Project Operations: Strategic Planning, Workflow Coordination, Stakeholder Engagement, Budget Tracking, Cross-Functional Communication

Tools & Platforms: Power BI, Excel, MySQL, PostgreSQL, PowerPoint, Jupyter, Github

Programming and Analytics: Python, SQL, R, ETL & Data Warehousing, Predictive Modeling, Natural Language Processing, Neural Networks

Soft Skills: Collaborative Leadership, Adaptable Problem Solving, Excellent Communication, Conflict Resolution, Team Mentorship

Professional Development

Google Research Perth - Multi-modal Document Analysis

Best Research Award Recipient

- Investigated neural network-based multimodal classifiers for recognizing layout structures of noisy documents from the FUNSD dataset.
- Demonstrated the efficiency of combining visual and textual features for document processing, achieving 100% accuracy in specific tests on forms consisting of lines and bounding boxes.
- Presented findings to audiences including Microsoft representatives, UWA Engineering and Mathematical Sciences faculty, and medical researchers.

WA Police Force x WADSIH Hackathon

Emergency Response Optimization Project

- Developed a real-time resource allocation system prototype using Python and Google Maps API
- Developed multi-objective optimization algorithms balancing response time, resource availability, and incident priority.
- Created an intuitive Streamlit dashboard enabling emergency operators to monitor resource availability, track incident responses, and make data-driven deployment decisions in real time.

GHD Advisory Job Simulation

- Developed structured approach to client advisory projects.
 - Created data-driven recommendations using Excel analysis.
 - Delivered professional presentations of analytical findings.
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Professional Experience

Unilab, Inc., Internship (Pharmaceutical Industry, Corp. Management Department)

- Managed and validated cross-department expense records from employee engagements with doctors and hospitals.
- Conducted data validation and alignment with regulatory requirements through detailed audit preparation.
- Segregated large-scale datasets, improving accuracy and accessibility for internal financial reporting and audits.
- Collaborated with finance, HR, and medical departments in a high-stakes environment.

Intra-Asia Laundry & Kitchen Supplies Inc. (Sales & Operations Assistant)

- Oversaw daily administrative operations and inventory tracking.
- Facilitated client onboarding and ensured prompt correspondence across multiple accounts.
- Supported sales coordination and vendor engagement processes, streamlining product delivery and service workflows.
- Collaborated with internal teams to optimize resource allocation and resolve client-side issues.
- Created a recurring reporting system for tracking employee commissions.
- Improved internal accuracy and transparency for monthly sales reporting.

Relevant Projects & Reporting Experience

I. DATA SCIENCE/ML/AI PROJECTS

Breast Cancer Classification

- Developed Decision Tree and Random Forest models for breast cancer classification, achieving 98.2 test accuracy.
- Conducted feature selection and optimization to improve model interpretability and predictive performance.
- Communicated model insights and feature importance through a report for healthcare researchers, supporting early cancer detection efforts.

Bio-acoustic Data Detection and Classification

- Led the development of an innovative real-time pest detection system for industrial solar farms, using machine learning to address critical infrastructure protection needs.
- Designed and implemented a spiking neural network (SNN) using CUDA and PyTorch, achieving 70% accuracy in distinguishing pest activity from environmental noise.
- Optimized model efficiency for deployment on SynSense's Xylo Audio processor, consuming only 327.44 μ W during inference, which is less than 1% of the energy a honeybee uses in flight.
- Visualized model performance and tracked training metrics using Weights & Biases to refine hyperparameters, monitor experiments, and enhance model reliability.

Aspect-Based Sentiment Analysis

- Developed and evaluated three innovative models for Aspect-Based Sentiment Analysis (ABSA) using the MAMS dataset, employing Bi-directional Long Short-Term Memory (Bi-LSTM) networks with Word2Vec and FastText embeddings.
- Implemented and optimized models using TensorFlow and PyTorch, applying Scikit-learn for evaluation and feature engineering.
- Optimized model performance through hyperparameter tuning, enhancing accuracy.
- Applied advanced NLP preprocessing techniques (Tokenization, Dependency Parsing, Part-of-Speech tagging) to enhance model interpretability.

Healthcare Complaint Analysis using ZINB Model

- Conducted statistical modelling on event complaint data to identify key trends and risk factors.
- Produced a stakeholder report for use in healthcare service evaluation.
- Provided actionable insights into patterns of patient dissatisfaction and professional accountability.

II. DATA ANALYTICS PROJECTS

Work Health & Safety Data Analysis Project

- Independently scoped, developed, and delivered an initiative to align safety performance metrics with state government priorities.
- Built structured insights into injury types and hazards, contributing to policy recommendations for workplace safety compliance.
- Designed a stakeholder-ready report to support strategic planning and resource targeting.

Data Warehouse Design for Olympic Analytics

- Designed a comprehensive PostgreSQL data warehouse with star schema architecture.
- Developed Python-based ETL pipelines to automate data ingestion transformation.
- Enabled efficient multidimensional analysis to support strategic sports performance review.

III. POWER BI & BI REPORTING PROJECTS

Customer Survey Analysis for Global Franchise

- Integrated multi-source customer survey data into a clean, interactive Power BI dashboard.
- Enhanced data interpretability through advanced preprocessing techniques such as Data Wrangling.
- Enabled data-driven menu decisions through regional trend analysis.
- Delivered actionable insights to franchise stakeholders through clear visualizations.
- Enabled faster, data-informed menu adjustments and investments across regions.

Financial Analysis of Furniture Retail

- Designed Power BI dashboard to track key business metrics such as sales, inventory, and performance.
- Applied DAX measures and structured visual storytelling for strategic decision-making.
- Supported leadership in identifying operational gaps and boosting performance.

Volunteer Initiatives

Girls Programming Network (GPN), Perth

- Provided hands-on mentorship to school-aged girls learning programming fundamentals in a safe, inclusive environment. Encouraged diversity in tech through approachable, engaging learning experiences.
- Committed to safeguarding standards, positive role modelling, and fostering inclusive spaces for children and young learners.

UWA Data Institute

- Volunteered in community-focused data initiatives, supporting students and non-profits in developing data literacy and impactful storytelling. Through this experience, I deepened my interest in AI and had the opportunity to network with industry leaders across healthcare, government, and technology, gaining valuable insights into real-world applications of data and ethical innovation.

Referees

Dr Dylan Muir - Mentor/ Capstone Client

VP, Global Research Operations

SynSense

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Cheryl Qian - Mentor

Senior Performance Assurance Lead

Komatsu Mining Technology Solutions

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Julianne Sparke – Mentor

Industry Engagement Manager

UWA Data Institute

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