Zeus Morley S. Pineda

Iligan City, Philippines pinedazeusmorley@gmail.com zmpineda.vercel.app +63-976-308-8043

Education

Mindanao State University - Iligan Institute of Technology Iligan City, Philippines
Bachelor of Science in Computer Science *Aug. 2021 – Jun. 2025*

Experience

DOST Philippines
UI/UX Intern (Project LODI) *Jun. 2024 - Jul. 2024*

- Designed and prototyped user interfaces for DOST software projects using Figma and modern design principles
- Conducted user research and implemented feedback-driven design iterations for technical and non-technical users
- Collaborated with development teams to translate design requirements into functional specifications
- Maintained design consistency across multiple projects while ensuring optimal user experience

Software Projects

Portfolio Website: **zmpineda.vercel.app** (for additional information and projects)

Jeepili - Mobile Navigation App (Thesis Project):

- Developed full-stack mobile application using React Native/Expo with GPS integration and real-time navigation
- Implemented route optimization algorithms and user-friendly interface design for Iligan City's jeepney system
- Demonstrated end-to-end development capabilities from concept to deployment

Market Trend Classification using CNN (CSC173 Final Project):

- Built Convolutional Neural Network using TensorFlow/Keras achieving 89.8% test accuracy on financial charts
- Created custom dataset of 120 candlestick pattern images with data preprocessing and augmentation
- Implemented model architecture with Conv2D layers, MaxPooling, and Dropout for trend classification
- Evaluated performance using confusion matrices and classification reports for uptrend/downtrend/sideways patterns

Automotive Data Mining & Analysis (CSC172 Final Project):

- Created a web scraper using Selenium WebDriver to collect automotive listings from multiple websites
- Processed and analyzed vehicle data using Pandas/NumPy for 10+ car models with statistical analysis
- Implemented K-means clustering and Isolation Forest algorithms for pricing trend analysis and anomaly detection
- Created 3D visualizations and heatmaps using Matplotlib/Seaborn for data insights

Skills

Programming Languages: Python, JavaScript, TypeScript, HTML, CSS, SQL

Frameworks & Libraries: React, React Native, Expo, TensorFlow, Keras, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn

Web Technologies: Selenium, Web Scraping, REST APIs, Firebase

Data & ML: Data Mining, Machine Learning, CNN, Statistical Analysis, Data Visualization

Tools & Platforms: Git, Figma, MySQL, SQLite, Jupyter Notebook, Vercel