

JASON IVERSON A. VIÑAS

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 San Mateo, Rizal

WORK EXPERIENCE

NTEK SYSTEMS INC.

JUNIOR PYTHON ENGINEER

OCT 2024 - PRESENT

- Engineered and deployed AI-powered projects that includes RAG-based chatbots, text-to-motion, text-to-speech, and etc.
- Collaborated with cross-functional teams to build scalable backend systems including database.
- Automated workflows by combining AI inference, APIs, and backend orchestration.
- Integrated AI/ML models through APIs to support real-world applications.
- Performed data cleansing, preprocessing, and optimization

SOLUTIONS RESOURCE

MARCH 2024 - MAY 2024

BACK-END DEVELOPER INTERN

- Contributed to the design and implementation of backend services for web applications and automation tools.
- Supports in building scalable APIs and optimizing system performance.
- Integration of AI models and data processing pipelines.

SKILLS

Languages: Python, SQL, JavaScript

Tools: Git, GitHub, HuggingFace, Ubuntu, Jupyter Notebook

Development: Flask, Django, React, Rest/Fast API

Database: MongoDB, SQLite, VectorDB, Supabase, Redis

EDUCATION

TECHNOLOGICAL INSTITUTE OF THE PHILIPPINES

Bachelor of Science Computer Science (BSCS)

2020 - 2024

Track: Intelligent Systems

Science, Technology, Engineering and Mathematics (STEM)

2018 - 2020

With Honors

PROJECTS

REAL-TIME FILIPINO SIGN LANGUAGE RECOGNITION | Thesis

- Developed a machine learning architecture using deep learning techniques (Mask R-CNN) and recurrent neural network (LSTM).
- Trained a machine learning model that achieved 95% accuracy validated using data analysis and NLP interpretation.

CHATBOT | Final Project (Intelligent Systems)

- Developed a PyTorch-based intent-classification chatbot trained by using an artificial neural network (FFNN).
- Sentences are tokenized and converted to bag-of-words vectors using NLTK utilities.

INSIGHTAI | FastAPI, Pandas, LLM, React, Redis

- Built an intelligent system that let users upload a dataset then interact with an AI chatbot to explore and analyze their data.
- Orchestrated LLM with interactive data visualization and async processing for real-time data analysis workflows.

ACADEMIQ REVIEWER | FastAPI, LLM, TTS, React, Supabase

- AI-powered educational platform that transforms uploaded document into interactive learning experiences by generating personalized study materials such as flashcards, quizzes, and discussion and conversational podcasts with text-to-speech.

SELECTRA | FastAPI, LLM, VanillaJS

- An intelligent text analysis browser extension that provides AI-powered features like summarization, explanation, sentiment analysis, and source finding through right-click context menus.

CERTIFICATES

• **AI Fundamentals**
IBM SkillsBuild, 2025

• **Python Data Associate**
DataCamp, 2025

• **Data Literacy**
DataCamp, 2025

• **Python Intermediate**
SoloLearn, 2024

• **SQL Intermediate**
SoloLearn, 2024