

SUMMARY

Resourceful Data Engineer with a focus on developing and implementing advanced data management solutions. Specialized in API integrations and leveraging AI for process automation, significantly enhancing operational workflows. Proficient with pandas for data cleaning and experienced in using OpenAI API to integrate AI within ETL processes, driving efficiency and innovation.

SKILLS

LANGUAGES:	Frameworks & Libraries:	IDEs:	DATABASE MANAGEMENT:	No Code Tools:
Python	REST API, pandas, numpy,	replit	Data Normalization & Warehousing	Zapier
C	tensorflow, Scikit-learn, pytorch,	jupyter	ETL, Data Migration	Make
R	matplotlib, seaborn, dplyr, flask,	vscode	Data Cleaning, SQL, MySQL	
Javascript	Gradio, Stable Baselines, Keras			

EXPERIENCE

Data Engineer | Florida Electric and Solar (Remote, Philippines)

July 2023 – Present

- Developed and implemented API integrations, leading to an automated system that replaced 40 hours per week of manual VA and data entry work.
- Conducted major data migrations from Enerflo CRM to backup databases, employing pandas for data cleaning and OpenAI API to incorporate AI into the ETL process, significantly reducing manual data processing efforts by over 200 hours.
- Fostered business efficiency by integrating AI into company workflows, streamlining operations, and enhancing data-driven decision-making.

HIGHLIGHTED PROJECTS:

OpenAI API Integrations

- Applied up to date AI technologies in data engineering pipelines
- Automated over 200 weekly hours of data entry and VA work through application of AI in the data architecture
- Made sure every work that can be automated is done through the help of AI technologies in data pipelines

Zapier pipeline automations

- Cleaned data in preparation for migration and developing data engineering pipelines
- Ensured every data is in the right format as it goes in and out of the pipeline for a seamless customer/employee onboarding
- Orchestrated automations through developing data pipelines through zapier webhooks

Licenses & Certifications

<b>Mathematics for Machine Learning</b> <b>Imperial College London</b> Skills: Machine Learning · Linear Algebra · Statistics	Stanford Machine Learning Course Stanford University Skills: Reinforcement Learning · Machine Learning · Deep Learning
Data Analysis with R Programming Coursera Skills: Data Analysis, R (Programming Language)	

EDUCATION

Far Eastern University

B.S. Applied Mathematics Data Science Track

# HARVEY DUCAY

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## DATA ENGINEER

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in Harvey Ducay

## EDUCATION

**Far Eastern University**

B.S. Applied Mathematics Data Science Track