NEIL ANDREW SONEJA
SOFTWARE ENGINEER

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SUMMARY

Skilled in computer engineering with good leadership and communication skills. With broad background on both hardware and software development. Proficient in multiple programming language and software development platforms. With strong problem-solving and analytical skills and able to work effectively in a team-based environment.

PROJECTS COMPLETED / RESEARCHES

Variety Classifier

Python | Deep Learning | Convolutional Neural Network

TIP Manila & Sugar Regulatory Administration • Aug 2023–March 2024

- *This project uses deep learning to identify varieties of sugarcane to solve problems in the sugarcane industry of the Philippines. It uses the Convolutional Neural Network transfer learning to train and evaluate a model that can classify images. Skills learned in this project are building and training of model, optimization of hyperparameters and classification layer in deep learning, and Google Colab IDE*

Hash Algorithm for Reverse Image Search

Python | Image Processing | PHP

Kaye Bakes • Feb 2022–March 2022

- *Web-Based application for a reverse image search using image hash algorithm. Used in the suggestion feature for Kaye Bakes web store, a customized cake making shop. Languages used are Python, PHP, HTML, CSS, and MySQL.*

Sugarcane Sorter

Python | Arduino | C++

TIP Manila & Sugar Regulatory Administration • Aug 2023–March 2024

- *This project creates a system that runs and manages various components to sort sugarcane based on its identified variety. Language used is Python, Tkinter for the user interface, C++ for the microcontroller.*

WORK EXPERIENCE

Cru Philippines | LDHR

Intern - Software Developer • Feb - March 2024

- *Develop and improve company website and dashboard.*
- *Automate form application and processing.*
- *Contribute to the improvement of development best practices.*

Mitsubishi UFJ Financial Group

Intern - Software Developer • March - April 2024

- *Setup and manage Amazon Web Service servers.*

Freelance

Jan- Dec 2020

- *Project based software developer*
- *Online Tutor*
- *Freelance Illustrator • Animator • Photo Video Editor*

PROFICIENCY

Machine Learning
Python | Transfer Learning | CNN

Object-Oriented Programming
Python, C++

Amazon Web Services
Amazon EC2 | Route 53

Microcontrollers
Arduino | Hardware & Software Development

EDUCATION

Philippine Science High School
Bicol Region Campus

Bachelor of Science in Computer Engineering
Technological Institute of the Philippines Manila - Graduating

CERTIFICATIONS

CyberOps Associate
Cisco Networking Academy • December 2023

Cisco Certified Network Associate
Cisco Networking Academy • December 2023

Getting Grounded on Analytics
Development Academy of the Philippines • May 2020

Introduction to Java
Codecademy • Sep 2021

REFERENCE

Dr. Jennalyn Mindoro

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