



# NEIL ANDREW SONEJA

## SOFTWARE DEVELOPER



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[portfolio.neilsoneja.click](https://portfolio.neilsoneja.click)

### 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

#### Sugarcane Variety Classifier and Sorter

Python | C++ | Deep Learning | Microcontroller

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

- A device that identifies and sorts the variety of sugarcane through machine learning, sensors and various mechanisms. Uses Convolutional Neural Network transfer learning to train and evaluate the model. Controlled mainly via Raspberry Pi computer connected to an Arduino Uno.

#### Google Suites Automation

Google Apps Script

Cru Philippines • Feb 2024–March 2024

- Automation of data through various Google services from user input, forms and table formatting, to email composition and sending.

#### Hash Algorithm for Reverse Image Search

Python | 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.

### 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

Transfer Learning | CNN

#### Microcontrollers

Arduino | Hardware & Software Development

#### Amazon Web Services

Amazon EC2 | Route 53

#### Object-Oriented Programming

Python, C++

### EDUCATION

#### Bachelor of Science in Computer Engineering

Technological Institute of the Philippines Manila - Graduating

#### Bachelor of Science in Applied Physics

University of the Philippines - Los Baños • 2014-2019

### CERTIFICATIONS

#### CyberOps Associate

Cisco Networking Academy • December 2023

#### Getting Grounded on Analytics

Development Academy of the Philippines • May 2020

#### Cisco Certified Network Associate

Cisco Networking Academy • December 2023

#### Introduction to Java

Codecademy • Sep 2021

### REFERENCE

#### Dr. Jennalyn Mindoro

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Technological Institute of the Philippines  
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#### Arvin Lim

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