

# NATHANIEL GOMEZ

MECHATRONICS ENGINEER



## CONTACT

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## SKILLS & EXPERIENCE

### 3D MODELING

- AutoCAD
- SketchUp

### PROGRAMMING

- Powerapps (Power Fx)
- WebDev (HTML, CSS)
- PLC (GX Works 2 - LD)
- Microcontroller (ESP32 & Arduino - C++)

## LANGUAGES

- Tagalog
- English

## REFERENCE

**Engr. Louie L. Villaverde**  
Professor/Manufacturing Research  
Center-LIKHA Fablab Center Head  
Phone: *not publicly available*  
Email : *not publicly available*

**Engr. Janelle Suamer**  
Education and Training Lead -  
Monde Nissin Corp. Malvar Plant  
Phone/Viber: *not publicly available*  
Email : *not publicly available*



## PROFILE

“Mechatronics Engineer with hands-on experience in manufacturing automation, digitalization, and system optimization. Skilled in implementing Integrated Work System (IWS) practices, executing Autonomous and Preventive Maintenance (AM/PM), and developing customized PowerApps solutions to eliminate inefficiencies. Committed to boosting equipment reliability, reducing production losses, and driving smart innovations in industrial environments.”



## WORK EXPERIENCE



**Monde Nissin Corporation - Malvar Plant**  
Process Specialist / Powerapps Dev  
NOV. 2024 - AUGUST 2025

- Handled troubleshooting and machine operation for the Eurosicma Machine, improving issue resolution and minimizing downtime.
- Supported **Autonomous** and **Preventive Maintenance (AM/PM)** activities under the **Integrated Work System (IWS)**, contributing to increased equipment reliability.
- Developed and deployed PowerApps-based digital forms to replace manual reports and Excel-based monitoring, reducing paper usage and report processing time by over 50%.
- Applied **Good Manufacturing Practices (GMP)** during production floor exposure, ensuring adherence to cleanliness, quality, and safety protocols.



## CERTIFICATIONS



**Mastery Consultancy - OPC**  
Basic Occupational Safety and Health for SO2  
JULY 2023

- Certified completer of the 40-hour training on Basic Occupational Safety and Health for SO2



## EDUCATION

**Bachelor of Science in Mechatronics Engineering** 2020 - 2024  
Batangas State University - TNEU - Alangilan Campus