

John Patrick A. Eustaquio, ME, SO2, CSSWB

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Portfolio website: <https://lowinertia.com/portfolio/jpae-portfolio>

EXPERIENCE & PROJECTS

DLSU-D Building, Facilities, and Maintenance Office (BFMO)

November 2023 - January 2024

- **Assumed the lead designer responsibilities.** As an intern I spearheaded the revisions of Electrical, Architectural, HVAC, and Mechanical layouts as required by the Head Engineer.
- **Executed a campus wide site survey** in order to update the outdated evacuation plan layouts in compliance to the revised fire code of the Philippines (Republic Act No. 9514)
- **Conducted QA/QC checks** on all types of AC units/HVAC infrastructure of the DLSU-D Campus. Provided discrepancy reports and updated the HVAC As-Built plans to facilitate long-term maintenance planning. In compliance to the PSME codes and ASHRAE Standard 180 for preventive maintenance

Design and Fabrication of a Palay Drying Machine

June 2023

- As the **Technical lead Designer**, I modeled the entire assembly and dehumidifier on the Solidworks design application.
 - **Provided the drawing layouts such as:** isometrics, orthographic drawings, and exploded view of the required for the project.
 - **Applied DMAIC methodologies** to improve the Palay drying machines efficiency and effectiveness. Resulting in an 8.8% increase in moisture reduction and reducing waste in the testing phase.
 - **Coordinated with the fabrication workshop** for component sourcing ensuring that all materials used met technical specifications while staying within our agreed upon budget.
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EDUCATION

De La Salle University Dasmariñas

Dasmariñas, Cavite

B.S. in Mechanical Engineering With a Specialization in Mechatronics

July 2023

CERTIFICATIONS AND LICENSE

Registered Mechanical Engineer **ME**

February 2026

Profession Regulatory Commission (PRC). License No: **PROCESSING**

BOSH Safety Officer 2 **SO2**

April 2025

Think Safe Training, Consultancy, and Service Corporation

DOLE-OSH Accreditation No. 1030-032323-0154

Certified Lean Six Sigma White Belt **CSSWB**

February 2026

GoLeanSixSigma (Accredited) | 0260201346

Project Management 101: Introduction to Traditional, Hybrid, & Agile Project Management

November 2024

MSTConnect PH

SKILLS

- Proficient in **AutoCad, SolidWorks, and Revit** (Mechanical Layouts and 3D Modelling)
- **HVAC System Design**
- **AI Prompt Engineering** skills for workflow automation and technical documentation
- Proficient in Microsoft **Word, PowerPoint, and Excel**
- Computer Literate: Can assemble and Disassemble computers. I have the Technical proficiency in preventive maintenance, hardware, and software troubleshooting of Computers
- Adobe Creative Suite (**Photoshop, InDesign, Illustrator**)
- video editing and post-production using **Wondershare Filmora**