



**ENGR. EARL JEROME L. CARIÑO**  
Registered Mechanical Engineer  
*License No. 0096925*

### CONTACT INFORMATION



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### AFFILIATIONS

- Member**, Philippine Society of Mechanical Engineers (PSME) National Chapter (2017-Present)
- Member**, Youth for Mental Health Coalition, Inc. (2019-Present)
- Secretary for Information and Communication**, Mapúa Institute of Technology at Laguna Student Council (2016-2017)
- President**, American Society of Heating, Refrigerating, and Air Conditioning Engineers – Malayan Colleges Laguna Student Branch (ASHRAE – MCL) (2015-2016)
- Mechanical Engineering Representative**, Mapúa Institute of Technology at Laguna Student Council (2014-2015)
- Member**, Philippine Society of Mechanical Engineers – Malayan Colleges Laguna Student Chapter (PSME – MCLSC) (2014-2017)

### CHARACTER REFERENCES

Available upon request

### SUMMARY OF QUALIFICATIONS

- Experience in reviewing and evaluating technical modifications issued by OEMs in the aviation industry and implementing them within the fleet
- Knowledgeable in the principles and practices of Agile development and skilled in project management based on the Project Management Body of Knowledge (PMBOK)
- Developed an understanding of the basic principles of finite element analysis (FEA) and computational fluid dynamics (CFD)
- Conversant with Autodesk Inventor and the fundamentals of developing simulations using ANSYS Mechanical and ANSYS Fluent
- Balances technical skills with commercial and business skills - planning, proposal/contract analysis, and embedding operating initiatives into approved budget
- Experience in coordinating and negotiating with OEMs, maintenance providers, and suppliers/vendors
- Proficient in computer skills (Microsoft Word, PowerPoint, Excel & Visio)
- Excellent communication, presentation, and interpersonal skills

### EDUCATIONAL BACKGROUND

**2012 – 2017**

**Bachelor of Science in Mechanical Engineering**

*Cum Laude and Gold Medalist*

*GWA: 1.5911*

Malayan Colleges Laguna

Mapúa Institute of Technology at Laguna

### WORK EXPERIENCE

**MARCH 2019 – PRESENT**

**Powerplant Engineer**

Cebu Pacific Air

*Engineering and Fleet Management Department*

- Handles the technical management of the Auxiliary Power Units (APUs) in the Airbus A320/A321 and Airbus A330 fleet operated by the airline
- Provides technical support to the airline on matters relating to powerplant assets including AOG support, troubleshooting recommendations, engine build-up, engine preservation, and APU health monitoring
- Performs continuous airworthiness monitoring by evaluating ADs/SBs and other recommendations for applicability and incorporation within the fleet taking into consideration both operational and commercial impact
- Engaged in asset management by defining and maintaining strategic removal plans for all assets, identifying peaks and troughs in shop loading and the need to support with owned as well as leased assets as appropriate
- Practices contract management through the management of powerplant assets per MRO contract ensuring key terms and conditions are adhered to
- Defines work scopes for powerplant assets taking into account reason for removal and build-to-achieve life and performs APU shop visit management in coordination with the MRO to ensure off-wing maintenance is completed in a timely manner and within budget
- Monitors asset reliability, liaising closely with the in-house reliability team, OEMs and other suppliers/vendors

## CAREER OBJECTIVE

To be part of a notable organization that excels in the field of engineering and innovation and be a catalyst for continual progress and technological advancement

## TRAININGS AND CERTIFICATIONS

### ○ TECHNICAL

#### **Agile Development Specialization,**

University of Virginia via Coursera  
(Ongoing)

#### **Engineering Project Management**

**Specialization,** Rice University via  
Coursera, June 2020

#### **A Hands-on Introduction to**

**Engineering Simulations,** Cornell  
University via edX, May 2019

#### **Autodesk Certified User: Inventor,**

March 2019

#### **Digital Manufacturing & Design, The**

State University of New York via  
Coursera, June 2020

#### **Advanced Manufacturing Process**

**Analysis,** The State University of  
New York via Coursera, June 2020

#### **Mechatronics Servicing NC II, November** 2017

#### **Mechanical Engineer Licensure Exam**

**Passer,** September 2017

**Rating: 87.15%**

### ○ LEADERSHIP AND MANAGEMENT

#### **Leadership Development for Engineers**

**Specialization,** Rice University via  
Coursera, July 2020

#### **Design Thinking for Innovation,**

University of Virginia via Coursera,  
May 2020

#### **Fundamentals of Management,**

University of California, Irvine via  
Coursera, May 2020

#### **Effective Problem-Solving and Decision-**

**Making,** University of California,  
Irvine via Coursera, May 2020

#### **The Art of Negotiation,** University of

California, Irvine via Coursera, May  
2020

#### **Foundations of Business Strategy,**

University of Virginia via Coursera,  
June 2020

#### **Time Management for Personal &**

**Professional Productivity,** University  
of California, Irvine via Coursera,  
June 2020

## JUNE 2018 – MARCH 2019

### **New Model Quality Development Engineer**

Honda Cars Philippines, Inc.

*New Model Local Parts Quality Unit*

- Executed development activities of concerned parts and suppliers as planned by the QD Project Leader
- Performed analysis and study of parts drawing/specification and reflected in the establishment of Parts Quality Standard (PQS)
- Established quality control points of localized parts through promotion and conduct of Quality Audit Visits (QAV) to suppliers
- Conducted QAV-II, Step 1 to Step 5 (development, plan, and confirmation of mass production safety declaration) to local suppliers to check and verify the progress of the development stage
- Assisted suppliers in the development of quality documents – Manufacturing Control Plan (MCP), Process Quality Control Table (PQCT), FMEA, and FTA
- Assisted suppliers in formulating countermeasures for the concerns related to the quality of parts

## MAY – JUNE 2016

### **Intern**

Continental Temic Electronics (Phils.), Inc. (Calamba Plant)

*Process and Maintenance Engineering Department*

- Conducted machine troubleshooting procedures
- Analyzed defects in production scrap units
- Engaged in preventive maintenance activities

## HONORS AND AWARDS

**3rd Placer,** 2017 MCL Student Research Colloquium, with the paper “*Design and Fabrication of a Low-Cost Desktop 3D Printer as an Application of Computer Numerical Control (CNC)*”

**Bronze Award** (Highest Rating), MCL Finding Heffalump 2017 (Idea Generation Contest), with the concept “*Garbage Bin with Segregator and Grinder for Organic Wastes*”

**1st Runner-Up,** National Quiz Contest, 6th PSME National Students’ Conference, 2016