

BENJAMIN A. ELAZEGUI

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A determined and competitive mechanical engineer which yearns for learning. Experienced in equipment engineering, procurement and design, quality control and inspection. Experienced in using software such as AutoCAD, SolidWorks, SmartPlant 3D, PDMS, and Microsoft Office. Designed equipment 3D models and Reviewed/approved mechanical equipment documentations per project specifications and standards.

I. EDUCATIONAL BACKGROUND

Tertiary Education
(2013-2018)

Bachelor of Science in Mechanical Engineering
University of Santo Tomas - Espana, Manila

Secondary Education
(2009-2013)

High School Diploma
Colegio de San Juan de Letran - Calamba, Laguna

II. WORK EXPERIENCE

Junior Rotating Equipment Engineer

11/2019 - 05/2020

JGC (Japan Gasoline Company) Philippines, Inc.

Assigned to Denko Thilawa Oil Storage Tank Terminal Project:

- Prepared Mechanical Data Sheets, Technical Requisitions, Technical Specifications and Standards for different types of pumps
- Evaluated Vendor quotations and prepared evaluation / recommendation reports
- Coordinated with other engineering disciplines and Vendors regarding specific project requirements
- Reviewed and approved Vendor documents and drawings per project specifications and standards

Assigned to Project HARMONY:

- Reviewed and approved vendor documents and drawings per project specifications and standards

Associate Design Engineer

10/2018 - 10/2019

FLUOR DANIEL Inc., Philippines

Assigned to Lyondell PO/TBA Project (L1PO):

- Designed models of vessels, tanks, pumps, and heat exchangers based on vendor drawings through SP3D and PDMS

- Modeled ladders and platforms using AutoCAD, FD Vessel, SP3D
- Generated nozzle reports and pipe support/pipe guide reports for tanks and vessels
- Reviewed and approved Vendor documents and drawings per Fluor Specifications and Standards

Assigned to Shell Penguins Redevelopment Project:

- Modeled HVAC mechanical air ducts and vertical supports through PDMS
- Responsible for keeping the mechanical overall equipment list up to date
- Overall Data coordinator for the mechanical equipment

Intern

08/2017 - 10/2017

Hilmarc's Construction Corporation

Conducted quality and safety inspections in UST Hospital Extension Building such as:

- Monitoring of fire protection system
- Inspection of electrical lines and plumbing/sanitary pipelines
- Medical, refrigerant gas pipelines, water line pressure witness testings
- Supervised and monitored assigned manpower at the construction site
- Checked materials installed for mechanical air duct systems
- Implemented and monitored safety rules and guidelines when roaming around the site

III. SKILLS

- Proficient in using MS Office: Word, Excel, and Powerpoint
- Experienced in using AutoCAD
- Experienced in using PDMS (Plant Design Management System) and SP3D
- Knowledgeable in Solidworks
 - Able to create 3D models (parts and assembly)
 - Performed basic model analysis (Solidworks Flow Simulation)
- Read and analyze mechanical equipment drawings and plans
- Familiar with machine shop skills
- Work and cooperate well with other people
- Flexible and adapts to different situations
- Well-mannered and highly determined

IV. ACHIEVEMENTS AND AWARDS

- **Mechanical Engineering Licensure Board Exam Passer** (August 2018)
- **Dean's Lister** (2nd semester A.Y. 2017-2018)
- **Academic Achiever** (2009-2013)
- **National Robotics Competition (Junior Sumobot – 2nd Place)** (2012-2013)

V. TRAININGS/SEMINARS

Trainings:

- Basics of ANSI/API Standard 610 - Centrifugal Pumps
- SmartPlant3D & SPR Training
- Heat Transfer Equipment Overview
- Packaged Equipment Overview
- Rotating Equipment Overview
- Static Equipment Overview

Seminars:**38th Engineering Development, Motivation and Awareness Training**

University of Malaya, Kuala Lumpur, Malaysia

Delegate

9th Engineering Leaders' Congress

University of Santo Tomas, Espana, Manila

Delegate

VI. AFFILIATIONS

- **American Society of Heating, Refrigerating, and Air-conditioning Engineers (ASHRAE) – University of Santo Tomas Student Branch**
Team Head – Logistics Team (2017-2018)
Staff – Documentation Affairs (2016-2017)
- **University of Santo Tomas Engineering Student Council**
Staff – Community Development (2016-2017)
- **Mechanical Engineering Club (MEC) – UST**
Member (2013-2018)
- **Philippine Society of Mechanical Engineers (PSME) UST Student Unit**
Member (2013-2018)