Joshua Vincent C. Manaois

Mechanical Engineer

Technological Institute of the Philippines (Quezon City)

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A Licensed Mechanical Engineer with more than one year experience on mall operations as an Officer. With a job title of a Resident Engineer, I was responsible for maintenance, monitoring, and troubleshooting of several equipment of one of the largest and oldest mall in the country.

My current goal is to start a career in technology industry, starting as a developer. While my current experience and skillset is within engineering industry, I believe that most of it will still be useful such as logical thinking, mathematical skills, creativity, and communication skills to become a better team player.

Licensure and Education

Feb 2021 – Present   **Master of Engineering with Specialization in Mechanical Engineering**
Completed: 24/30 Units (Last 6 units is Thesis or Project Study)
Technological Institute of the Philippines (Quezon City)

Feb 2019   **Board Passer**
Mechanical Engineering Board Exam

2016 - 2018   **Bachelor of Science in Mechanical Engineering**
Technological Institute of the Philippines (Quezon City)

2012 - 2016   **Bachelor of Science in Mechanical Engineering**
University of Santo Tomas

Experience

May 2019 – Sept 2020   **Resident Engineer**
SM City North EDSA (Shopping Center Management Corporation)

- Supervised engineering activities and day-to-day monitoring of electro-mechanical equipment for mall operations, which includes:
    - Mechanical (Chillers, Air Handling Units, Fan Coil Units, Cooling Towers)
    - Electrical (Transformers, Switchgears, Capacitor Banks)
    - Plumbing (Transfer Pumps, CPS Pumps, Sump Pumps)
    - Fire Protection (Fire Pumps, Jockey Pumps, FDAS)
- Reviewed several mall tenant's utility requirements and implemented the mall's regulations and policies.

Programming Skills

Python
Basics / Beginner Level

- Completed **DICT's Python Programming Courses**.
  - Programming for Beginners
  - Programming for Intermediate Users
  - Basic Statistics with Python
  - Analyze Data with Python
  - Visualize Data with Python
- Using PyCharm as IDE to better understand the language.

Java
Basics / Beginner Level

- Learning through multiple internet sources.
- My current priority due to its unique level of complexity of beginner friendly but with a similar syntax with older programming languages.
- While considered as a high-level programming language, it is relatively complicated compared to Python.
- Using IntelliJ as IDE to better understand the language.

Computer Science
Internet Course

- Learning to bridge the gap of skill and knowledge between a mechanical engineering and computer-related courses graduates.
- Enrolled in HarvardX - CS50x (CS50's Introduction to Computer Science).
- While I could study and dedicate my time in obtaining certificates through online courses, I believe that actual work experience will be more efficient in both learning and career advancement.

Other Engineering Skills

- Well-versed with the rules and regulations implemented by the Fire Code of the Philippines.
  - Former member of SM City North EDSA Fire Brigade.
- Experienced with planning, coordination, and monitoring MEPF projects.