

SHIELA MARIE L. UMALI

Aspiring Software Engineer | Former Mechanical Engineer | Layout Artist

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EXPERIENCE

Associate Software Engineer

Accenture

August 2021 – February 2022 Quezon City, Philippines

- Completed foundational training programs in Python, SQL, Hadoop (Cloudera), Power BI, Informatica, and Talend, building a solid base in data engineering and business intelligence tools
- Proactively pursued self-paced certifications and learning modules in Site Reliability Engineering (SRE), Information Security, Technology Quotient (TQ), Corporate Code of Conduct, and Business Resiliency, demonstrating a strong commitment to continuous learning and enterprise-readiness

Mechanical Design Engineer

JFE Techno Manila, Inc. (Steel Plantech Section)

February 2022 – March 2025 Pasig City, Philippines

- Set and consistently achieved project goals aligned with organizational objectives, contributing to improved team productivity and project outcomes
- Facilitated seamless collaboration with Japanese counterparts by technical discussions on job orders, scheduling, and progress reporting, ensuring timely and quality project delivery
- Contributed to the design and modification of steel plant machinery, specifically for long steel product rolling mill lines, enhancing equipment efficiency and reliability
- Executed 3D modeling, assembly and detailed drafting of complex machinery such as switching trough, horizontal and vertical inner stands, and edging mills using Autodesk Inventor and AutoCAD
- Interpreted and analyzed piping layout drawings to develop accurate 3D models of internal piping systems, optimizing plant layout and integration
- Developed comprehensive and easy-to-follow manuals and procedural guidelines for Autodesk Inventor functionalities, improving onboarding and reducing training time for new team members
- Assisted in improving workflow efficiency by organizing 3D part libraries and establishing reusable model templates
- Ensured accuracy and consistency between 3D models and 2D manufacturing drawings, minimizing errors in production

Steel Plantech Japan (Intra-company Dispatch / Training)

July 2022 – December 2022 Yokohama, Japan

- Participated in weekly lecture-based training sessions covering company history, steel plant machinery operations, and the fundamentals of steel structure and manufacturing
- Attended an on-site immersion tour of a fully operational steel plant in Osaka, Japan, gaining first-hand exposure to real-world industrial processes and plant layouts
- Prepared detailed technical reports and insights on both lecture topics and plant tour findings, demonstrating analytical and documentation skills
- Contributed to 3D modeling, assembly and planning / assembly / detailed drawing of various steel plant components - including maintenance decks, brake clamp rolls, switching tables, run-in equipment, run-in approaches, inner piping, and horizontal and vertical inner stand - using Autodesk Inventor and AutoCAD

OBJECTIVE

A driven and dynamic professional with a Mechanical Engineering background and a Master's in Software Engineering in progress, I merge technical precision with creative vision to craft innovative, impactful solutions. With hands-on experience in software development, 3D design, and digital communication, I thrive at the intersection of engineering, arts, and technology. I bring a unique problem-solving mindset shaped by engineering experience and a deep passion for continuous learning. Eager to face challenges head-on and grow in a real-world development environment, I am **seeking a software engineering internship** where I can apply my skills, contribute meaningfully to impactful projects, and evolve into a well-rounded, high-performing software professional.

MOST PROUD OF



Courage to Reinvent Myself

The bold step I took to shift from mechanical engineering to software engineering—venturing into a new dimension of technology to pursue my passion, adapt to a fast-moving world, and become a more dynamic version of myself.



Persistence & Loyalty

My unwavering commitment to always give my best—whether contributing to a company's success or supporting those who need my help.



Resilience in the Face of Challenges

My ability to embrace challenges head-on, learn from them, and turn them into milestones of success.



Dedication to My Fullest Potential

A constant drive to grow, evolve, and succeed in every endeavor—striving to become the best version of myself, both personally and professionally.

EDUCATION

M.S. in Software Engineering

Yoobee College

April 2025 – Present (Until April 2026)

Steel Plantech Japan (Intra-company Dispatch / Business Trip)

July 2024 – September 2024 Yokohama, Japan

- Contributed to the 3D modeling and virtual assembly of complex steel plant components using Autodesk Inventor and AutoCAD
- Created precise assembly drawings, detailed fabrication drawings, and part breakdowns in accordance with Japanese industrial standards
- Supported the translation and adaptation of technical documentation for cross-border team understanding and compliance
- Gained hands-on experience with Japanese engineering practices, workplace standards, and collaborative team environments
- Strengthened cross-cultural communication skills while delivering high-precision mechanical designs under tight deadlines

Layout Artist–Concurrent Role

JFE Techno Manila, Inc. (Corporate Information Section)

January 2023 – March 2025 Pasig, Philippines

- Served as a key design contributor within the Corporate Information Section, supporting internal and external communication efforts through professional newsletter layouts
- Designed and developed visually engaging layouts for the company newsletter, maintaining consistent branding and ensuring clarity across all issues
- Collaborated closely with content writers, editors, and marketing personnel to align layout and design elements with editorial goals and corporate messaging
- Adapted newsletter formats for both digital distribution (email, intranet, mobile devices) and print publication, optimizing user experience across platforms
- Created original graphics, data visualizations, and infographics to support informative storytelling and highlight key company achievements
- Implemented feedback from readers and stakeholders, using insights to iteratively enhance design effectiveness and engagement metrics
- Maintained organized version control and file management practices to support team collaboration and future content reuse
- Contributed to the visual identity evolution of the company’s communication materials, reinforcing brand consistency and professionalism

Housekeeping Attendant (Part-Time)

SkyCity Auckland

April 2025 – Present Auckland CBD, New Zealand

- Clean and service guest rooms according to SkyCity’s cleanliness standards and procedures
- Report any maintenance issues or safety hazards immediately to the supervisor
- Respond promptly and professionally to guest requests or inquiries
- Maintain a friendly and professional demeanor with guests and staff
- Comply with all SkyCity health, safety, and security policies

Facility & Equipment Engineer

TaiHan Precision Technology Philippines Co. Inc.

February 2021 – June 2021 Batangas, Philippines

- Oversaw preventive and corrective maintenance of critical company equipment, ensuring optimal operational performance and minimizing downtime
- Led cross-functional maintenance teams in site surveys, project implementation, and facility/equipment inspections for various engineering requests, driving quality and efficiency across all stages

STRENGTHS

Relevant Coursework

M.S. in Software Engineering

Software DevelopmentPython

OOPVS CodeGitHub

Jupyter NotebookGoogle Colab

Quantum ComputingCloud Security

Research MethodsData Analytics

Blockchain and decentralized digital identity

Intelligent Transportation Systems

Other Trainings

From Basic Trainings in Previous Company

SQLHadoop ClouderaInformatica

TalendPower BITalend

Information SecurityTechnology Quotient

Site Reliability Engineering

Corporate Code of Conduct

Business Resiliency

Technical Skills

From Work Experiences

Machine DesignMechanical Drawing

2D & 3D ModelingAutodesk Inventor

AutoCADSOLIDWORKSOverleaf

Microsoft Office Tools

Soft Skills

Multi-disciplinary TeamworkCuriosity

Analytical ThinkingAttention to Detail

Time ManagementDocumentation Skills

Problem-SolvingAdaptability

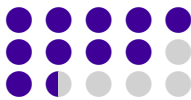
CommunicationFast Learner

Agile MindsetCollaboration

Self-Motivation

LANGUAGES

Filipino
English
Japanese



- Designed and developed an enhanced Excel-based monitoring system to streamline tracking of tools, inspections, maintenance activities, and project milestones—significantly improving team coordination and reporting accuracy
- Updated the facility's comprehensive electrical layout and fire safety plans, ensuring compliance with regulatory standards and improving workplace safety
- Created detailed 3D CAD designs for a new storage facility using AutoCAD, contributing to space optimization and efficient layout planning
- Compiled and presented project schedules and reports, maintaining transparency and ensuring alignment with project timelines and deliverables

OTHER EDUCATIONAL BACKGROUND

B.S. in Mechanical Engineering

Batangas State University

📅 June 2014 – January 2020

Graduate, Dean's Lister (General Engineering), Loyalty Award

Secondary School

Batangas State University Integrated School

📅 June 2010 – April 2014

Graduate, With Honors

Primary School

Talumpok Proper Elementary School

📅 June 2005 – April 2010

Graduate, Valedictorian,
Golden Leadership Award,
Academic Excellence Award

CERTIFICATIONS

Pearson Test of English (PTE)

PTE Academic, Overall Score = 70

📅 Valid Until: October 31, 2026

Philippines Professional Regulation Commission (PRC)

Registered Mechanical Engineer

📅 March 2020 – Present

Japanese Language Proficiency Test (JLPT)

N5 Level Passer

📅 January 2024 – Present

REFEREES

DOROTHY PUKLOWSKI

@ SkyCity Auckland

✉ Dorothy.Puklowski@skycity.co.nz

Assistant Executive Housekeeper-Hotels

ROLLY BRASILEÑO

@ JFE Techno Manila, Inc.

✉ roly-brasileno@tm.jfe-eng.co.jp

Steel Plantech Section

Former Section Manager

RON LUCLUCAN

@ JFE Techno Manila, Inc.

✉ ronluclucan@gmail.com

Corporate Information Section

Acting Section Manager