

Norfatin Hazirah Mohd Idris

MECHANICAL ENGINEER

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Summary

Mechanical Engineering graduate with hands-on experience in inspection, machine maintenance, and quality documentation during internships at top-tier manufacturing companies. Skilled in interpreting technical drawings, resolving on-site issues, and documenting quality processes in compliance with ISO 9001:2015. Also trained in UX Design principles, enabling strong problem-solving, documentation, and user-focused thinking for engineering processes and project coordination.

Education

TalentLabs K-Youth Development Programme, UX Design Aug 2025 - Present

- Hands-on training in UX principles, prototyping, and user research techniques.
- Built responsive UI concepts with HTML, CSS, and Bootstrap.
- Applied design insights using Google Analytics and Tableau.

Universiti Teknologi Malaysia (MJIT), Bachelor in Mechanical Precision Engineering Mar 2025

- **Final Year Project:** *Underwater Colour Correction for Enhanced Object Detection* – Developed and determined algorithms to improve underwater image accuracy for object detection.
- CGPA : 3.12 / 4.00

Politeknik Ibrahim Sultan, Diploma in Mechanical Engineering Jan 2021

- **Final Year Project:** *Escalera Estable* – Designed an ergonomic ladder with levelling and safety features for use on edges and uneven surfaces.
- CGPA : 3.75 / 4.00

Experience

VS Industry Sdn. Bhd | Quality Engineering Intern Jul 2024 – Oct 2024

- Performed over 150 product inspections to ensure compliance with GD&T standards and mechanical drawings, maintaining defect rates below 2% and 100% on-time delivery for shipments.
- Documented quality outcomes in Microsoft Dynamics SL with 99% data accuracy.
- Assisted ISO 9001:2015 documentation and non-conformance investigations.

Texas Instruments Electronics Malaysia | Technician Intern Mar 2021 – Jul 2021

- Inspected and maintained 40+ die-attach machines daily; reduced downtime by 20%.
- Installed and set up machines for new packages/products, improving efficiency by 15%.
- Extended machine lifespan by assisting in the maintenance of 20+ components.

Skills

- **Engineering & Design** : Mechanical Design, Manufacturing Processes, Quality Control, Preventive Maintenance, GD&T, Lean Six Sigma, 5S Methodology, UX/UI Design, Wireframing, Prototyping, User Research
- **Software & Tools** : AutoCAD, Fusion 360, Autodesk Inventor, C++, Google Analytics, Tableau, Microsoft Dynamics SL, Microsoft Office Suite
- **Project & Process Management** : ISO 9001:2015 Documentation Support, Defect & Inspection Reporting, Process Optimisation, Inspection Record Accuracy, Cross-functional Collaboration

Reference

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