

MAY LIU

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ELECTRONICS ENGINEERING TECHNOLOGIST

I am a technical professional with over 2 years of experience in electromechanical design, development, and production of highly regulated medical devices. I have a proven track record of combining theoretical knowledge with practical applications to support and develop process improvements, scale up products, and perform root cause analysis, all while exceeding personal production goals and responsibilities.

Areas of Expertise

- Electromechanical Products
- Electrical Circuitry
- Medical Devices
- PCB Design and Fabrication
- CAD Modelling
- 3D Printing
- Rapid Prototyping
- 5S Methodology
- ISO 13485:2016

WORK EXPERIENCE

Conavi Medical Inc. – Medical Device Manufacturing

Electronics Engineering Technician **03/2023 – 08/2024**

- Achieved a 75% increase in production output over a 17-month period by streamlining assembly processes and workflows, making them more efficient and less reliant on individual skills, without compromising quality.
- Recognized as the first technician to possess an all-encompassing technical knowledge of Conavi's Novasight system – from fabrication to the final release testing of the finished good. This occurred within 4-6 months. It typically takes a technician 1-2 years to achieve 33% of this expertise.
- Coordinated with quality, engineering, and manufacturing teams to ensure smooth production of Class IV medical devices, maintaining MDSAP ISO 13485:2016 compliance.
- Developed and executed electronic test procedures, resulting in a 30% reduction in the scrap rate of patient interface modules.
- Key technician in a cross-departmental team that overhauled a product's design, resulting in a 50% reduction in field failures.
- Took the initiative to implement 5S lean manufacturing methodologies across two independent production lines, achieving a 30% reduction in key lean manufacturing wastes, including inventory management, defects/scrap, motion, and waiting.

Microassembly Technician **05/2022 – 08/2022**

- Demonstrated technical dexterity and proficiency in fabricating, assembling, and testing transducer and fiber-optic assemblies under a 60x microscope, completing on-the-job training 50% faster than expected.
- Praised for asking insightful questions that improved processes and workflows, encouraging the senior team to revisit and challenge old assumptions with a fresh perspective.

May Pharma Distributor – Biopharmaceutical Distribution

Product Marketing and IT Specialist **01/2016 – 04/2021**

- Solely responsible for developing and deploying the plans for digitalization of existing business processes, resulting in the creation of a new product marketing channel, as well as an increase of 43% in organic leads and traffic funneled through our brand's digital presence, which contributed to increased sales through B2B partnerships from new and established key accounts.

EDUCATION

OACETT – Actively working towards certification

Seneca College of Applied Arts and Technology – Electronics Engineering Technician Diploma

University of the Philippines – Bachelor of Computer Science

A FEW PROJECTS

Portable Charger | Logic Line Follower | Variable Bench Power Supply | Smart Cabinet | Audio Amplifier