

MAY LIU

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thelittleinker.ca

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
 - Research and Development
 - Rapid Prototyping
 - Electrical Circuitry
 - Fiber Optic
 - 5S Methodology
 - Soldering & Testing
 - 3D Design and Print
 - ISO 13485:2016
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WORK EXPERIENCE

Sciex – *Research and Development*

Engineering Technologist

01/2025 – 10/2025

- Analyze and solve routine technical problems related to research and development
- Implement experimental practices on test unit in accordance with scientist's request
- Assure equipment maintenance throughout both research laboratory and PVD laboratories
- Assemble and/or fabricate mechanical and electrical hardware for testing
- Conducts research in support of manufacturing engineering challenges and projects
- Perform final testing and inspection of parts to be used in the assembly of instruments as required
- Perform maintenance and allocation of projects in the lab. This includes ZenoTOF 8600 and future generation instruments worked on

Conavi Medical Inc. – *Medical Device Manufacturing*

Electronics Engineering Technician

03/2023 – 08/2024

- Experienced with mechanical and electrical R&D device planning and assembly.
- Well versed in reading schematics and exploded views of engineering drawings and blueprints.
- Experienced in conducting high-precision measurements, ensuring accuracy and reliability in experimental data.
- Experienced in utilizing microscopes, spectrum analyzers, oscilloscopes, function generators, and fiber optic laser source
- 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.

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.
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EDUCATION

OACETT – *Actively working towards certification*

Seneca College of Applied Arts and Technology – Electronics Engineering Technician Diploma
Proficient English language-based documentation (IELTS score of 8.5/9)