

SUMMARY

Product Design Engineer EIT with expertise in innovative product development, specializing in CAD design and prototype optimization. Adheres to engineering frameworks while demonstrating the ability to Think Outside the Box for solutions.

CORE COMPETENCY

- ❖ Product Design

❖ Project Management

❖ Problem-solving
- ❖ Mechanical Design

❖ Engineering Documentation

❖ Team Leadership
- ❖ SolidWorks/Fusion 360

❖ QMS

❖ Technical Communication

PROFESSIONAL EXPERIENCE

- Project Engineer - Quality Assurance & Product Development

PhoMedics (hired by V Path and Hong Kong University of Science and Technology)

2022/03 - 2024/02

Hong Kong

❖ Led development of medical imaging devices by designing and validating multiple prototypes using SolidWorks and 3D printing, resulting in successful clinical implementation of 3 product iterations.

❖ Engineered mechanical and optical systems from concept to production, including UV illumination control units, protective enclosures, and precision sample handling mechanisms that met strict medical standards.

❖ Developed and implemented quality management documentation systems aligned with ISO 13485 standards, streamlining procurement processes and reducing processing time by 40%.
- Assistant Engineer - Quality Control

Maxgrand

2021/07 - 2022/02

Hong Kong

❖ Designed and engineered modular LED fixture chassis using CAD software, enabling flexible LED configurations and standardizing the product line for improved manufacturing efficiency.

❖ Executed comprehensive quality control testing including IPX waterproof, coating adhesion, and accelerated aging tests on LED products, ensuring product quality standards.

❖ Streamlined document management system for technical files, site reports, and purchase orders, facilitating efficient retrieval of quality control records and improving vendor-manufacturer communication.

OTHER EXPERIENCE

- Cantonese Medical Interpreter

Kelly Services CA

2024/03 - 2025/05

Coquitlam, BC

❖ Facilitated 40+ weekly medical appointments between Cantonese-speaking patients and healthcare providers across major US hospitals.

❖ Managed bilingual communication for 40+ daily phone inquiries across US and Canadian healthcare networks, specializing in medical terminology.

CERTIFICATION

- Engineer-in-Training (EIT)

EGBC

2024/03

Vancouver, BC
- Rapid Prototyping Using 3D Printing

Arizona State University

2025/07

Coursera
- SOLIDWORKS 3D CAD for Education

Dassault Systèmes

2025/07

Coursera

EDUCATION

- Bachelor of Engineering (B.Eng) in Materials Engineering

City University of Hong Kong

2017 - 2021

Hong Kong