

SEAN LEE

Product Design Engineer EIT

CONTACT INFO

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CORE COMPETENCY

Product Design & Dev
System Design
Rapid Prototyping
3D Modeling
Quality Control

Toolbox

SolidWorks
Fusion 360
AutoCAD
Python
Arduino

EDUCATION

City University of Hong Kong
Bachelor of Engineering
Materials Engineering

PROFESSIONAL SUMMARY

Product Design Engineer (EIT) experienced in Product Design, specializing in CAD design and System Design. Physically, Mentally, and Professionally ready to challenge the status quo. Constantly Thinking Outside the Box for better solutions.

PROFESSIONAL EXPERIENCE

Project Engineer - Product Design 2022/03 - 2024/02
PhoMedics Hong Kong

- Engineered optical microscope prototypes using SolidWorks and 3D printing, integrating UV LED systems, resulting in validated medical imaging device deployment.
- Implemented modular Object-Oriented architecture across product lines, achieving 40% faster system performance and reduced maintenance time.
- Designed pressure-based sample container through iterative prototyping, enabling optimal tissue flattening while meeting medical safety standards.

Assistant Engineer - QC 2021/07 - 2022/02
Maxgrand Hong Kong

- Redesigned LED fixture chassis for multiple LED configurations, resulting in enhanced lighting performance and product versatility.
- Established QC testing protocols for LED products, reducing product return rates through early defect detection.
- Engineered solutions for LED fixture failures through root cause analysis, improving product reliability and customer satisfaction.

OTHER EXPERIENCE

Cantonese Medical Interpreter 2024/03 - 2025/05
Kelly Services Canada Vancouver, 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.

CERTIFICATIONS

Engineer-in-Training (EIT) 2024/02
Engineers and Geoscientists BC (EGBC)

Rapid Prototyping Using 3D Printing 2025/07
Arizona State University

SOLIDWORKS 3D CAD for Education 2025/07
Dassault Systèmes