

# SEAN LEE

Product Designer

## CONTACT INFO

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## CORE COMPETENCY

SolidWorks, AutoCAD  
3D Printing & Prototyping  
Machining  
LED Product Development  
Heat Management  
Technical Documentation  
BOMs & Production Specs

## EDUCATION

City University of Hong Kong  
Bachelor of Engineering  
Materials Engineering

## LANGUAGES

English	Fluent
Chinese	Native

## PROFESSIONAL SUMMARY

Product Designer with 2 years of experience specializing in LED Fixture development and Lighting Systems. Proven expertise in technical documentation, CAD design, and manufacturing processes, with strong focus on quality control and design validation.

## PROFESSIONAL EXPERIENCE

<b>Project Engineer - UVC LED R&amp;D</b> PhoMedics Ltd.	2022/03 - 2024/02 Hong Kong, HK
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- Led technical realization of design concepts using SolidWorks and AutoCAD, collaborating with senior designers to integrate complex mechanical systems with LED controls, resulting in successful prototype deployment.
- Optimized product cost efficiency through value engineering and material selection, while maintaining design integrity and managing heat dissipation requirements.
- Developed comprehensive technical documentation including BOMs, assembly guides, and production specifications, facilitating seamless communication between design and manufacturing teams.

<b>Assistant Engineer - Decorative Light &amp; QC</b> Maxgrand Ltd.	2021/07 - 2022/02 Hong Kong, HK
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- Redesigned LED fixture chassis using CAD software to accommodate multiple product configurations, creating detailed BOMs and technical drawings for manufacturing team implementation.
- Implemented comprehensive testing protocols including coating adhesion, salt spray, and IP waterproof tests, verifying designs from concept through final commissioning.
- Established document management system for technical drawings and product specifications using standardized filing protocols, streamlining cross-team collaboration and documentation access.

## OTHER EXPERIENCE

<b>Cantonese Interpreter</b> Kelly Services Canada	2024/03 - 2025/05 Vancouver, BC
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- Coordinated medical interpretation services between Cantonese-speaking patients and healthcare providers through systematic scheduling protocols, ensuring seamless communication for over 50 healthcare facilities.

## CERTIFICATIONS

<b>Engineer-in-Training (EIT)</b> Engineers and Geoscientists BC (EGBC)	2024/02
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<b>SOLIDWORKS 3D CAD for Education</b> Dassault Systèmes	2025/07
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