



SEAN LEE

Product Engineer

INFO

Location

Coquitlam, BC

Contact

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Email

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SOCIAL MEDIA



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[SeanELLee](#)



[seanlee97324](#)

SKILLS

Solidworks

AutoCAD

Arduino

Python OOP, FP

Qt Qt Designer, PyQt

MS Office PowerPoint, Excel

LANGUAGES

English Business fluent

Cantonese Native

Mandarin Business fluent

Innovative Product Engineer with 2 years experience in mechanical design, Python development, and medical device development.

EDUCATION

Bachelor of Engineering (BEng) in Materials Engineering
City University of Hong Kong

07/2017-09/2021

EXPERIENCE

Project Engineer

PhoMedics

03/2022-02/2024

Location: Vancouver

- Identified distinctive product features by competitor analysis, marketing research.
- Led the development of a virtual staining prototype for optical microscopes, completing the project one quarter ahead of schedule.
- Collaborated with teams to optimise the performance of the CHAMP prototype, facilitating clinical preliminary tests at Prince of Wales Hospital.
- Enhanced software compatibility and stability while promoting cross-functional collaboration by introducing a tailor-made modular software structure.
- Successfully reduced the construction cost for office relocation by 30% through effective negotiation without compromising the quality of construction.
- Refined the ISO 13485 procurement procedures, improving the overall user experience.
- Cultivated a dynamic culture of creativity and mutual learning by offering mentorship and guidance to interns and co-op students.

Assistant Engineer

Maxgrand

07/2021-02/2022

Location: Hong Kong

- Conducted quality control tests on lighting products to ensure compliance with industry standards.
- Coordinated communication among stakeholders for high-value commercial and residential projects (YOHO MIX, CSW Hotel).
- Ensured safety compliance during work-at-height installations, outlining necessary precautionary measures.
- Enhanced luminosity by restructuring the internal structure of a wall light fixture.
- Developed and implemented testing protocols for identifying and diagnosing product faults.

PROJECTS

ChatBot using Sound Recognition and OpenAI

11/2023-Now

Personal Side Project

- An experimental side project to create a voice-enabled chatbot using sound recognition and OpenAI.