

Sean Lee

Product Engineer

Innovative Product Engineer with 2 years experience in Prototype design, Mechanical design, Python development, and Medical device development.

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SKILLS

Solidworks	Python	AutoCAD	Arduino
Troubleshooting	Interpersonal skills	Presentations skills	Collaborative manner
Adaptability	Communication skills	Organizing and Planning	Product design

WORK EXPERIENCE

Project Engineer – Administrative & Coordination (Remote) PhoMedics

2023 - Present

- Collaborating with the Chief Product Engineer to implement the new structure to the latest semi-product prototype.
- Revamped the existing ISO 13485 purchase flow with improved usability. Building a central database for better purchase management.

Project Engineer – Product Development PhoMedics

2022 - 2023

- Led the development of a virtual staining prototype for optical microscopes, completing the project one quarter ahead of schedule.
- Designed and documented the design journey and specifications of the virtual staining prototype according to the ISO 13485 Medical devices quality management system.
- Identified and resolved system instability issues in in-house software, proposing and designing a new modular structure with improvement.
- Collaborated with teams to optimise the performance of the CHAMP prototype, facilitating clinical preliminary tests.
- Successfully reduced the construction cost for office relocation by 30% through effective negotiation.
- Provide Mentorship to Interns and co-op students.

Assistant Engineer Maxgrand

2021 - 2022

- 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.

EDUCATION

Bachelor of Engineering in Materials Engineering City University of Hong Kong

2017 - 2021