Queenie Lo

852-5619-3322 |

EXPERIENCE

Student Helper Mar. 2026 – Present
The Chinese University of Hong Kong *Hong Kong*

- Assisted in research project producing 3D-printed ankle protection devices by operating additive manufacturing equipment, preparing materials, and documenting production processes to support iterative design improvements
- Recorded printing parameters and production data for 20+ prototypes, supporting research documentation and enabling process optimization
- Gained hands-on experience in CAD file preparation, print parameter adjustment, and post-processing techniques for medical device prototyping

Intern July 2025 – Aug 2025
RNAscence Biotechnology *Singapore*

- Developed prototype website in HTML/CSS within 2-week timeline to introduce denture product for Singapore National Dental Centre, accelerating go-to-market strategy and enabling early stakeholder feedback
- Developed data-driven marketing proposal for innovative scar treatment product by conducting market research and competitive analysis, presenting strategic recommendations to doctors and medical researchers to inform go-to-market strategy
- Designed promotional materials using Canva, including posters and presentation decks, to effectively communicate product benefits and features to stakeholders, supporting sales enablement and customer education initiatives

PROJECTS

Simple Maze Game | *C/C++* Oct 2025 – Nov 2025

- Developed an interactive maze game with file I/O, dynamic maze transformations (mirroring, rotation), and multi-step pathfinding algorithms, implementing modular functions for efficient collision detection and state management
- Implemented selection sort algorithm and pointer manipulation for data handling
- Debugged and validated edge cases including boundary checking and wall collision
- Utilized 2D arrays and file parsing to load custom maze configurations

AI Chatbot | *Python, PyTorch* Jul 2025 – Aug 2025

- Developed AI chatbot addressing Hong Kong Medical Device Regulation inquiries by conducting comprehensive regulatory research and collaborating with Licensed Responsible Persons panel, reducing information retrieval time by 70% through intelligent question categorization and automated responses
- Collaborated with Licensed Responsible Persons (LRP) panel and university professors to validate content and align chatbot functionality with user needs
- Integrated stakeholder feedback through iterative testing cycles to improve response accuracy and user satisfaction

TECHNICAL SKILLS

Languages: Python, C/C++, JavaScript, HTML/CSS
Frameworks: Tailwind CSS, Node.js, PyTorch
Developer Tools: MATLAB, Eagle PCB, NodeMCU, VS Code, Visual Studio, PyCharm, CLion
Tools & Platforms : Canva, Microsoft Office Suite, Google Workspace, GitHub