

KWOK-LAM LEE

Highly-skilled and Self-motivated Computer Science Major
Seeking Challenging Internship

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EXPERIENCE

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| Mar 2021 — Aug 2021
Jul 2022 — Aug 2022 | Question Writer & Programmer | SHATIN PUI YING COLLEGE |
| | <ul style="list-style-type: none">➤ Authored Mathematics and Physics questions in MathTree & WinMaths, an internal JavaScript DSL and e-learning platform for generating mathematical typesets, tables, graphs, and 3D graphics➤ Featured on SING TAO DAILY, oldest and second-largest Chinese newspaper in Hong Kong | |
| Jun 2022 — Aug 2022 | Full Stack Developer | SHATIN PUI YING COLLEGE |
| | <ul style="list-style-type: none">○ Delivered with Agile in 4 weeks, an e-ticketing system catering a large and diverse user-base○ Developed multiple web apps to automate various school's scheduling tasks | |
| Sep 2021 — Jun 2022 | Student Teaching Assistant | THE UNIVERSITY OF HONG KONG |
| | <ul style="list-style-type: none">○ ENGG1340: advanced Python, C/C++, data structures, Linux shell, separate compilation○ ENGG1330: Python, searching and sorting algorithms○ Hosted weekly labs, and gave coursework feedback | |

EDUCATION

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|---------------------|--|--------------------------------------|
| Sep 2020 — Jun 2024 | Bachelor of Engineering in Computer Science | THE UNIVERSITY OF HONG KONG |
| | ○ Pursuing Focus — Theoretical Computer Science | |
| Jan 2023 — Jun 2023 | International Exchange | ROYAL HOLLOWAY, UNIVERSITY OF LONDON |
| Sep 2013 — Jun 2020 | Hong Kong Diploma of Secondary Education | SHATIN PUI YING COLLEGE |
| | ➤ First in ICT, Third in Physics | |

SKILLS

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| Natural Languages | Cantonese — native English — expert Mandarin — expert |
| Programming Languages | Python C/C++ C# Java Haskell JavaScript TypeScript SQL \LaTeX |
| Frameworks & Libraries | Node.js Express.js jQuery React Vue.js SvelteKit Quasar Tailwind-CSS Flask Qt Unity OpenCV Sklearn TensorFlow PyTorch |
| Platforms & Tools | Linux Docker Git MySQL PostgreSQL MongoDB Supabase Arduino Processing |

PROJECTS

- Jan 2023 — Present **HolloRay** External domain-specific language for 3D CAD with JavaFX & ART
- Developed with Ambiguity Resolved Translators — A. Johnstone and E. Scott at RHUL
- Jan 2023 **LemuelLee.com** Portfolio and blogging website
- Stack: SvelteKit with TypeScript, Tailwind CSS, and Netlify
 - Achieved 97/100 in Google Lighthouse
- Dec 2022 **CIFAR10-HOG-PCA-SVM** Image Classifier
- ➦ Pure statistical approach with top 10% accuracy
 - RBF SVM with HOG and PCA
- Oct 2022 **3230shell** Linux shell in C
- Features: program execution, signals, background processes, piping and process statistics
- Oct 2022 **Enoch Bible Reading Challenge** Full-stack reading challenge web app
- PWA & SPA, instant installation on major OSs
 - Stack: Vue.js, Tailwind CSS, Supabase, and Netlify
- May 2022 **HackOS** Offensive cyber-security Unity game
- ➦ Participating project of the HKU 6th InnoShow
 - Emulated Linux DE with shell, file-system, networking, and users
- May 2021 **RNA Fighter** COVID-19 defusal game in Ncurses
- Non-blocking and colored text dialogues, scroll view, and page navigation
- Dec 2020 **Duckietown** Self driving with DDPG
- Jun 2019 **Bubble Sheet OMR** Qt app for semi-supervised OMR for classroom
- May 2019 **School Library Management System** Qt & SQL app for library administration
- Features: categorization, borrow/return, and overdue alert
 - Object-oriented and separately compiled
- Apr 2019 **Real Time Room Monitoring System** LAMP stack web app for monitoring classrooms
- Used in [SPYC STEM Camp 2019](#) by hundreds of students with RFID cards

ACTIVITIES

Jul 2022 — Jan 2023	Algo Crypto Trading Challenge	ALGOGENE
	<ul style="list-style-type: none">⊕ Finalist with 53000% portfolio growth over 2018—2020○ Probabilistic Approach on Price Movement Using Famous Indicators	
Nov 2022	Electronic Trading Challenge	JANE STREET
	<ul style="list-style-type: none">⊕ First runner-up in 17 teams	
Nov 2022	Code For Good	J.P. MORGAN
	<ul style="list-style-type: none">○ Developed for JUNIOR ACHIEVEMENT, a job shadowing web app	
May 2022	The 6th Engineering Inno Show	THE UNIVERSITY OF HONG KONG
	<ul style="list-style-type: none">○ Invited to showcase HackOS	
Nov 2021	Hackathon	CATHAY PACIFIC
	<ul style="list-style-type: none">○ Developed an informative React Native map app on COVID-19 travel restrictions	
Sep 2018 — Apr 2019	STEM Camp — Chairman of STEM Committee	SHATIN PUI YING COLLEGE
	<ul style="list-style-type: none">⊕ Coordinated staff, teachers, student helpers, and 16 visiting schools○ Streamlined mission control with Google Sheets and an in-house web app	
Jul 2017 — Aug 2017	EE International Summer Camp	CITY UNIVERSITY OF HONG KONG
	<ul style="list-style-type: none">⊕ Runner-up in Mini Robotic Car Competition	