# KWOK-LAM LEE

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

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# EXPERIENCE

Mar 2021 — Aug 2021 Jul 2022 — Aug 2022

# **Question Writer & Programmer**

SHATIN PUI YING COLLEGE

- Programmed an internal domain-specific language MathTree based on JavaScript for WinMaths, an innovative e-learning platform featured on SING TAO DAILY, oldest Chinese newspaper in Hong Kong
- Authored Mathematics and Physics questions in MathTree, generating mathematical typesets, tables, graphs, and 3D graphics

Jun 2022 — Aug 2022

### **Full Stack Developer**

SHATIN PUI YING COLLEGE

- 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

- 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**

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

Natural Languages

Cantonese — native English — expert Mandarin — expert

**Programming Languages** 

Python C/C++ C# Java Haskell JavaScript TypeScript SQL LATEX

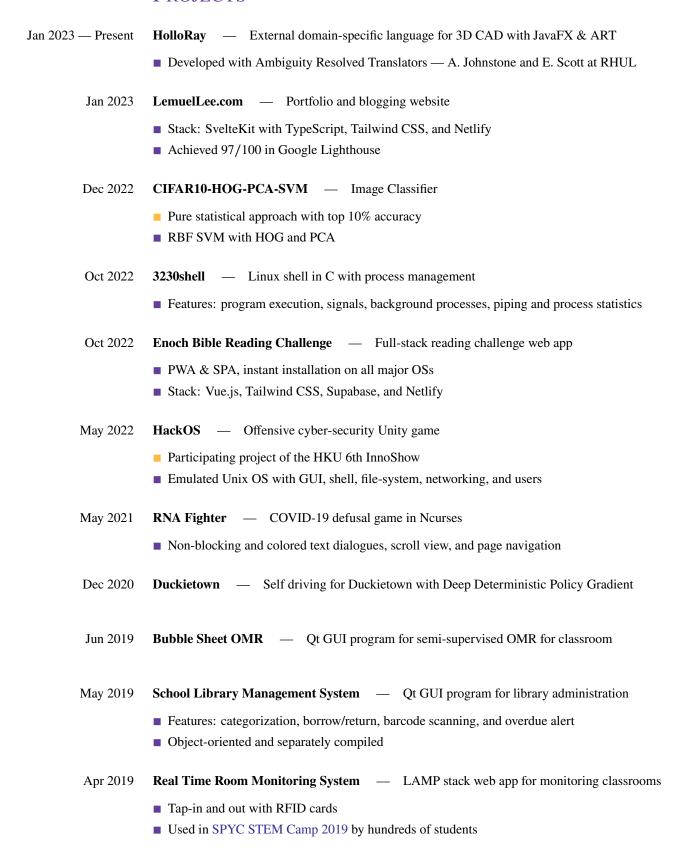
Frameworks & Libraries

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**



# **ACTIVITIES**

### Jul 2022 — Jan 2023 Algo Crypto Trading Challenge

ALGOGENE

Probabilistic Approach on Price Movement Using Famous Indicators

■ Finalist with 530000% portfolio growth over 3 years of BTC market

### Nov 2022 **Electronic Trading Challenge**

JANE STREET

Competitive programming for high frequency electronic trading

First runner-up in 17 teams

#### Nov 2022 **Code For Good**

J.P. MORGAN

Developed for JUNIOR ACHIEVEMENT HONG KONG, a job shadowing web app

#### May 2022 The 6th Engineering Inno Show

THE UNIVERSITY OF HONG KONG

Invited to showcase HackOS

Nov 2021 Hackathon

CATHAY PACIFIC

Developed an informative React Native map app on COVID-19 travel restrictions

#### Sep 2018 — Apr 2019 STEM Camp

SHATIN PUI YING COLLEGE

Organized for students from 16 primary schools

- As Head of STEM Committee, coordinated staff, teachers, student helpers, and visiting schools
- Designed a number of booths, games and experiments
- Streamlined mission control with Google Sheets and an in-house web app

## Jul 2017 EE International Summer Camp

CITY UNIVERSITY OF HONG KONG

Full-time taster camp for Electronic Engineering

- Runner-up in Mini Robotic Car Competition
- Developed for an Arduino robotic car, an Android app for remote control via Bluetooth