



NICHOLAS LAU Cheuk Kit

Software Engineer, Researcher

PERSONAL INFO

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EDUCATION

MPhil in COMPUTER SCIENCE AND ENGINEERING

THE CHINESE UNIVERSITY OF HONG KONG
SEP 2021 - JUL 2023

B.Sc in COMPUTER SCIENCE

THE CHINESE UNIVERSITY OF HONG KONG
SEP 2013 - JUL 2017

README

Passionate software developer and researcher with expertise in AWS and GCP, container based hosting, front-end development, AI deep learning model training, and fundamental knowledge of encryption and web securities. Research focus on computer vision, image processing via deep learning, and information encoding. Enjoys shuttlecock, rock climbing, and scuba diving.



PUBLICATION

Taming Reversible Halftoning via Predictive Luminance

Cheuk-Kit Lau; Menghan Xia; Tien-Tsin Wong

(TVCG 2023)

Predictor-embedded approach offloads predictable information from network, allowing flexibility to produce halftones with better blue-noise quality without compromising restoration quality.
<https://ieeexplore.ieee.org/abstract/document/10131911>



CHANGELOG

CURRENT

MAR 2020

Decathlon Hong Kong

Senior Software Engineer

Front-end application development includes SPA, SSR.
Cypress automated test management for team continues contribution.
Development and maintenance on Hong Kong official Decathlon website

JUN 2019

iOS Developer

Application development includes iOS / Android / Web-front / Kiosk etc.
Implement CI/CD pipeline for projects.
Open source contributions within company international organization repos.

JAN 2019

Green Tomato Limited

Senior iOS Developer

Native iOS app development and enhancement.
Inculde shopping mall apps and banking apps.
Experience in interacting with iBeacon and Location related development.

OCT 2018

TFI Digital Media Limited

Senior Programmer (iOS)

JUL 2017

Programmer (iOS)

Developing iOS app with Swift and Objective-C.
Create and maintain common libraries for internal usage.
Develop app using MVC and MVVM frameworks with RxSwift support.

FEB 2017

Software Engineer (Part-time)

Research focus related to 360 media encoding and streaming.
Isolated and work independently.
Focus on C++, OpenCV and FFmpeg library on Linux

JUN 2016

Hong Kong RFID Limited

Web Programmer (Part-time)

Responsible for managing and improving the front-end and back-end coding.
Design websites layout cor clients.
Write scripts for colleague internal batch operations.