

Anson Chung Lun Yuen

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EXPERIENCE

Software Engineer

August 2021 – Present

R2C2 Limited

Hong Kong

- Led a team of software, hardware engineers to build a \$150k-each robot control system in 1.5 years
- Implemented the control system in Python, C++ and Javascript and across the edge and the cloud in Linux environments
- Used nav2 and slam_toolbox to build automation and navigation features of the robot control system
- Shortened development cycle 10% by adapting elements of Scrum and Gitlab flow

Software Engineer

May 2020 – July 2021

Centauri Optics

Hong Kong

- Designed, implemented and tested firmware and application for a new microscope in under 1 year
- Implemented the control and streaming system for the microscope using C++ and VueJS
- Utilized low-level RaspberryPI API and OpenGL to implement high-FPS GPU-based image processing in power-constrained models

Software Developer

Jan 2019 – December 2019

Coxana Innovation

Hong Kong

- Wrote firmware of IoT devices in C
- Used GLib API on Linux-based IoT devices to expose APIs through Bluetooth
- Implemented an mobile application with Flutter that controls the IoT devices through Bluetooth

Software Developer

May 2017 – July 2017

Cybertek

Hong Kong

- Created company profile websites and online stores in Laravel and Wordpress
- Implemented interactive widgets using jQuery and ReactJS

EDUCATION

The Hong Kong Polytechnic University

Hong Kong

Bachelor's Degree in Computer Science

September 2014 – July 2021

- Made a point-of-sale interface with QT and QML
- Made health check app prototype in hackathon by analyzing selfies with Chinese Medicine principles

TECHNICAL SKILLS

Languages: Python, C/C++, SQL (MySQL), JavaScript, HTML/CSS, Dart, PHP, Bash

Frameworks: React, Vue, Svelte, FastAPI, ROS, Nav2, slam_toolbox, Flutter, Node.js, WordPress, Laravel

Developer Tools: Git, Docker, AWS, CI/CD (Github and Gitlab)

Operating Systems: Linux, Bash