

# Sean CHOK

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## Education

**THE UNIVERSITY OF HONG KONG | SEPT 2018 – JUNE 2022 | MECHANICAL ENGINEERING**

- Bachelor of Engineering in Mechanical Engineering (Year 2)

## Student Projects and Experience

**HKU RACING TEAM 2019/20 – AERODYNAMICS ENGINEER**

[innowing.hk/hkur](http://innowing.hk/hkur)

- Perform computational fluid dynamics analysis to optimize wings and undertray design
- Design CAD models of the aerodynamics package of the car

**HKU ROBOMASTER 2018/19 – TEAM HERKULES (SEPT 2018 – PRESENT) – MECHANICAL ENGINEER**

[innowing.hk/robomaster2019](http://innowing.hk/robomaster2019)

- Design, build, and test a drone
- Coordinate with other groups to achieve proposed performance criteria for the drone
- Communicate with the drone operator, and implement his / her suggested features

**RC TECH CLUB (OCT 2018 – PRESENT) – CO-FOUNDER**

[rctech.club](http://rctech.club) | [sls.rctech.club](http://sls.rctech.club) | [owl.rctech.club](http://owl.rctech.club)

- Develop any tech-related projects – worked on a smart laundry system (sls), working on a hall booking system (owl)
- Organize workshops – teach skills such as basic programming, photoshopping, etc.
- Publish articles about technology – personally wrote about Hong Kong's Faster Payment System

**THE VAYU PROJECT (SUMMER 2019) – SHORT TERM ASSISTANT**

- Conduct tests of a robotic fish in hope of breaking the world record of 1.5m/s
- Design and install lateral fins that act as stabilizers

**FINTECH WEEK HACKATHON – 1<sup>ST</sup> RUNNER UP**

- Developed Navis, an API solution coupled with a user platform as an escalation service for Hong Kong Export Credit Insurance Corporation.

**GLOBAL LEGAL HACKATHON - LEGAL REG TECH HACK HONG KONG 2019 – 1<sup>ST</sup> RUNNER UP**

- Developed CLAIMate, an app for petty claims featuring the court of public opinion.

## Skills and Abilities

### COMMUNICATION

- Model United Nations – attended 4 conferences (1 Outstanding Delegate Award)

### ENGINEERING AND PROGRAMMING

- Solidworks, 3D printing, simple manufacturing
- React and React Native, python, java, c / c++

- Mongoddb, Express, Graphql

## **Working Experience**

### **TEACHER & CURRICULUM WRITER | BRAINBUILDER | NOV 2016 – AUG 2018**

- Instruct students following a set of materials and books prepared by the BrainBuilder company patron, Dr Fong
- Customize teaching syllabus according to individual students' needs
- Communicate with parents regarding their children's progress

### **SUMMER CAMP INSTRUCTOR | IDTECH CAMPS | SUMMER 2019**

- Teach children in STEM education during week-long summer camps
- Make sure that campers enjoy making friends, and having fun here in a safe environment