

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 HEALTHY CITIES LAB (SUMMER 2020) – RESEARCH ASSISTANT

- Design a public website to introduce the laboratory and its members
- Assist with lab experiments

HKU RACING TEAM 2019/20 – AERODYNAMICS ENGINEER

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

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

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

rctech.club

- Develop any tech-related projects – worked on a smart laundry system
- 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

Skills and Abilities

COMMUNICATION

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

ENGINEERING AND PROGRAMMING

- Solidworks, Ansys Fluent, 3D printing, simple manufacturing
- React and React Native, python, java, c / c++
- MongoDB, Express, GraphQL