

# CHUA HUI SHUN

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<https://hs-portfolio.herokuapp.com/>

## EXPERIENCE

### Cisco Systems Innovation Central Perth

Cyber Vision Intern  
May 2020 – Jul 2020

- Built an end-to-end application to launch two types of network-based cyber attacks to demonstrate Cisco® Cyber Vision's functionality
- Created from scratch remote controller and user interface for users to launch attacks easily
- Deployed and ran dockerized code on Raspberry Pis

### DataRobot

Engineering Intern  
Jun 2019 – Aug 2019

- Designed and developed the first end-to-end developer tool that automates the testing of DataRobot's new feature engineering function, creates visualizations of the test results and notifies developers of breaking changes
- Adopted good coding practices including writing unit, functional and integration tests
- Worked with data engineers in different domains from many countries

### Aleph

UI/UX Tech Intern  
Jun 2018 – Aug 2018

- Coded mobile-responsive web templates from scratch using HTML5, CSS and JavaScript
- Worked with designs uploaded to Zeplin

### 42Race

Operational Intern  
Jan 2017- May 2017

- Created wireframes and prototyped the user interface of 42Race's new website (<https://web.42race.com/>)
- Designed systems to optimize operational processes for tracking delivery status and inventory levels
- Led internal operational processes including hiring part-time workers, product packaging, data entry, mailing of products and supporting customer enquiries

## EDUCATION

### Nanyang Technological University

Singapore  
2017 – present

- B.Eng. (Mechanical Engineering) & M.Sc. (Technology Management)
- Renaissance Engineering Programme (REP) Scholarship
- Current cGPA: 4.85 (Expected First Class Honours)
- Expected date of graduation: Dec 2021
- Learning Innovation Challenge (Merit Prize)

### University of British Columbia

Vancouver, BC / Canada  
2019 – 2020

- Year-long exchange at Faculty of Applied Science

### Hwa Chong Institution (College)

Singapore  
2015 – 2016

- 7 Distinctions in A levels (UAS 90/90)
- Bicultural Studies Programme Scholarship
- Edusave Awards for Achievement, Good Leadership and Services (EAGLES)
- Vice President of Public Announcement/Audio Visual Aid (PA/AVA) Club
- 2nd Placing in National Interschools Track & Field Championship (Javelin)

## SKILLS & INTERESTS

### Languages



Python Pytest  
Flask, Django, Scrapy



JavaScript Jest  
Vue.js, Angular, React, ReactNative, Node.js, D3.js



### Collaboration



Github



Git



docker

### Database and Content Management



mongoDB



Firebase



Wordpress SQL

### Design and Prototyping



Figma



SOLIDWORKS



Zeplin