YI CHEN CHONG

Maths & Computer Science Student and Tech Enthusiast
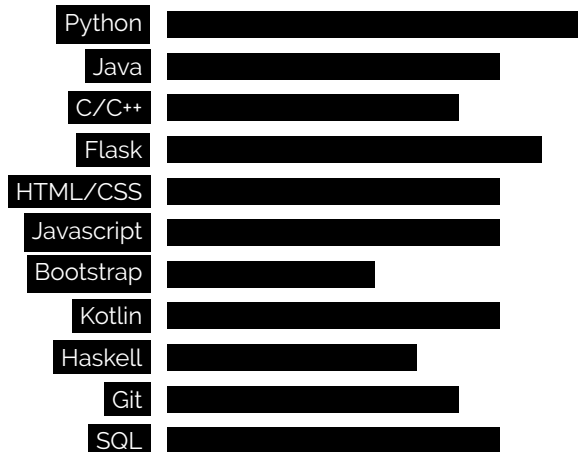
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WHO AM I?

I love to solve problems and code (and especially both at once). My tech interests range from data science to full-stack development, and I also engage in engineering, design, and business.

If you want to see more detailed information about my coursework and projects, please check out my website in the header.

JetBrains   git   Office   VSCode   Linux

Python
Java
C/C++
Flask
HTML/CSS
Javascript
Bootstrap
Kotlin
Haskell
Git
SQL

EXPERIENCE

2022
intern

Software Test Engineer Intern   **ByteDance**

Worked on software test engineering for ByteHouse Data Platform Public Cloud API:
- Developed and constructed advanced features in Pytest-based automation framework
- Designed and executed manual and automated functional and performance testing
- Identified and managed defects and product risks in line with product specifications

2019 – 2021

Sergeant (3SG), Combat Engineers   **Singapore Armed Forces**

Led and managed a section of soldiers during national service

EDUCATION

2021 - 2024

B.Eng Mathematics and Computer Science   **Imperial College London**

3-year joint degree in mathematics and computer science
Relevant subjects: Analysis, Calculus, Abstract Algebra, Algorithms, Logic, Computing Practical
Societies: Robotics, Finance, Muay Thai
First year - 2nd class upper (2:1)

2015 - 2019

US High School Diploma (Advanced Placement)   **Shanghai American School**

4-year US high school diploma with Advanced Placements (AP)
Completed AP Capstone Program and 7 AP examinations with perfect score (5/5)
SAT Subject Tests: Physics - 800/800, Chemistry - 790/800, Maths Level 2 - 800/800
ACT: 35/36, GPA: 3.7/4

CERTIFICATIONS

2021

Securities Education Certificate   **Imperial College Investment Society**
Imperial College Investment Society's Flagship Course; Covered topics ranging from Sales and Trading to Private Equity and Quantitative Analysis; Pass with Distinction

2020

MicroBachelor's in Computer Science Fundamentals   **New York University via edX**
Online course consisting of Basics of Computing and Programming, Introduction to Networking, and Computer Hardware and Operating Systems; Average score of 96%

SOME PROJECTS I'VE COMPLETED

2022	**Personal Website**
	Constructed and designed personal website with Flask/PostgreSQL/SQLite backend, and HTML/CSS/Javascript frontend

2022	**C Group Project**
	Constructed Raspberry Pi Assembler and Emulator for first-year final project, with primitive Linux kernel loaded; top 20 projects in cohort

2021	**Mortality Models**
	Used gradient descent and other data techniques to construct a predictive model of life expectancies by birth year

2019	**Vending Machine**
	Led project to construct a e-payment vending machine and to start up fundraising business for Student Union.

For more about my projects, and for more projects, check out my personal website.

LANGUAGES

English - native
Chinese - native

HOBBIES

I love learning new skills. In my spare time, I dabble in graphic design, music composition, and chess. I also love to read.

NON PROFIT

I volunteer with Upchieve, a free volunteer tutoring platform for high school students, especially from disadvantaged background.