

# Ian Ren

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## Education

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**Imperial College London, Computing** 09/2019 – 06/2022  
Bachelor of Engineering (Expected 2:1)

Modules of interest: Logic, Computer Architecture, Databases. Graphs & Algorithms, Reasoning about programs.

**Cardiff High School** 09/2012 – 06/2019

A-levels: Mathematics A\*, Further Mathematics A\*  
Physics A, Economics A

GCSE's: 11 subjects at A/A\*

## Experience & Projects

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**Mathematics Tutor, Cardiff High School** 2019

Communicated with younger students to understand their needs. Worked closely with each tutee to improve understanding, resulting in an improvement of their grades by two bands.

**Retail Assistant, Office** 2018

Received training for effective communication and conflict resolution with customers.

**Co-founder & Developer, Clickerance.com** 2020

Developed concept of cross platform discovery platform dedicated to dietary preferences & intolerances.

Worked in a team to build a Chrome extension using SQL, Javascript, HTML and CSS as a Minimum Viable Product looking to raise a seed round.

**Webmaster, Imperial College Fencing**

Managing the online presence of a 100 member club. Maintaining and improving the club website with HTML and Javascript.

**Pintos Group Project** 2020

Implemented scheduling, loading and running user programs and virtual memory for a simple operating system framework for the 80x86 architecture.

**ARM Group Project** 2020

Implemented an ARM Emulator, Assembler and Command line IDE in C.

Our ARM IDE implemented breakpoints, syntax checking, debugging and printing of the current machine state.

## Skills

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**Java/C (Advanced)**

**Haskell (Intermediate)**

**Familiarity with Tools**

- Microsoft Office and Adobe Photoshop
- Git and Bash
- LaTeX

**SQL (Beginner)**

**HTML/CSS/Javascript (Intermediate)**

**Fluent Mandarin**

## Fencing

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**Imperial College Fencing Team Captain** 2020  
3rd U20 British Championships

**1st in Great Britain** 2019  
2nd U20 British Championships  
6th Budapest U20 World Cup

**British Fencing Young Athlete of the Year** 2018  
1st in Europe and Great Britain  
U17 GB Team Captain  
2nd U17 European Championships  
12th U17 World Championships