

Junzhe (Owen) XIA

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EDUCATION

The Hong Kong University of Science and Technology

BSc in Computer Science & Mathematics (Computer Science Track)

Hong Kong, China

Sep 2017 - May 2021 (Expected)

- **CGA:** 4.067/4.30 | **COMP GPA:** 4.142/4.30 | **MATH GPA:** 4.036/4.30
- **Scholarships & Awards:** Dean's List for All Semesters; HKUST Admission Scholarship Fund (HKD 70,000); HKSAR Government Scholarship (HKD 80,000 per year)

Yali High School

High School Diploma in Science

Changsha, China

Sep 2014 - Jun 2017

- **JEE Test Ranking in Hunan Province:** Top 0.14%

AWARDS

- 2019 ICPC Asia East Continent League Final Gold Medal, 14/~380 (2019)
- 2019 ICPC Seoul Regional Contest 5th Place (2019)
- 2019 Credit Suisse CodeIT Coding Challenge 1st Place over Hong Kong & Singapore (2019)
- 2019 HKUST Local Programming Contest 1st Place (2019)
- 2018 ICPC Hong Kong Programming Contest 2nd Place (2019)
- 2018 ICPC Asia East Continent League Final Silver Medal (2018)
- 2018 ICPC Yokohama Regional Contest 15th Place, Top 25% (2018)
- 2018 HKUST Local Programming Contest 5th Place, Top 7% (2018)
- China National Olympiad in Informatics Winter Camp Gold Medal (2016)
- 10th Asia and Pacific Informatics Olympiad Silver Medal (2016)
- China National Olympiad in Informatics Bronze Medal (2016)
- China National Olympiad in Informatics in Hunan Province First Prize (2015)

PROFESSIONAL EXPERIENCE

Engineering Division, Goldman Sachs

Analyst

Hong Kong, China

Upcoming 2020 Summer

Alibaba Group

Research Internship

Hangzhou, China

Upcoming 2020 Spring

Youtu Lab, Tencent

System Designer & Developer

Shenzhen, China

June 2019 – August 2019

- Refactored Facebook FAISS Approximate Nearest Neighbor library (HNSW part) and improved algorithm speed to 5x faster.
- Developed an elastic search system based on improved HNSW from scratch, which is going to be applied as an important infrastructure of Tencent's short video products such as Weishi (微视). The system is written in Golang and C++, with Kubernetes.

ACM Programming Team, HKUST

Lead Member

Hong Kong, China

Sep 2018 – Current

- Participated in 5 hours of regular training every week with 2 team members, simulating the intensive past ACM/ICPC contest.
- Represented HKUST to attend regional ACM/ICPC contests. The awards obtained have been listed in the previous section.

Information Technology Services Center, HKUST

HKUST Blockcert System Designer & Main Developer

Hong Kong, China

Sep 2018 – Jan 2019

- Devised and fabricated HKUST Blockcerts System by Python under the supervision of Professor CHEN Qifeng, one of the pioneering projects of HKUST Sustainable & Smart Campus Project. It will be deployed by HKUST for signing official documents.
- Liaised among ARO (Academic Registry Office), ISO (Information System Office) and ITSC (Information Technology Services Center) to smoothen the development process and polish functionality of the system.

LEADERSHIP

Mainland Student & Scholar Society Badminton Club, HKUST

President

Hong Kong, China

Sep 2018 – May 2019

- Administered HKU & HKUST & CUHK Badminton League and liaised between school teams.

SKILLS & INTERESTS

Languages

Mandarin (Native), English (Proficient, TOEFL iBT: 106)

Skills

Algorithm (Proficient), C++ (Proficient, > 100k lines of code), Python (Proficient), Tensorflow (Skilled)

Interests

Music Production (Own a personal music album; Top 6 in HKUST MSSSUG Singing Contest), Piano (Grade 10), Guitar, Badminton (Medal Prize in HKUST MSSS Badminton Championship)