HAN **YOU**

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Education

City University of Hong Kong *Hong Kong*

B.S. in Computer Science(Data Science Stream), CGPA: 3.8/4.3, Rank 2nd/84 — *Aug 2014 - Present*
- Awarded HKSAR Government Scholarship(US 10,000$ per year) by HK Government
- Awarded HKSAR Reaching Out Scholarship by HK Government
- Awarded SEAL Scholarship by Residence Hall, joined Scholarship team to organize activities for Residents

Nan Chang No.2 High School *Nan Chang, China*

Student in Science Stream — *Sep 2011 - Jun 2014*
- National College Entrance Exam: Rank Top 0.3%

Professional Experience

Improving the Accuracy of Eye Tracker *Hong Kong*

Final Year Thesis — *Aug 2017 - Present*
- Synchronize a webcam eye tracker and a high quality eye tracker, then use machine learning algorithms to improve the accuracy of the webcam eye tracker under guidance of Dr. Antoni B. Chan.

Campus Internship Scheme *Hong Kong*

Undergraduate Research Assistant — *Jan 2016 - Present*
- Work in Dr. Jun Fan's computational biophysics group for more than 200 paid hours.
- Tasks: 1. Perform data processing and analysis for biophysics simulation.
           2. Implement and maintain group web pages.

NetX Lab(Dr. Henry Xu) *Hong Kong*

Undergraduate Research Assistant — *May - Sep 2017*
- Implemented a comprehensive system process performance monitoring package for Spark, which is able to monitor the network IO, disk IO and other system resources used by certain processes.

Hong Kong Exchange and Clearing Limited, Web Service Team *Hong Kong*

Assistant Analyst Programmer — *Aug 2016 - Jun 2017*
- Implemented web pages using ASP.Net according to requests from customers and other departments.
- Came up with practical solutions to improving user-experience and implemented the solutions.
- Tested new system features, fixed bugs according to users' feedback.

Summer Research Internship in UTK/ORNL(CSURE) *Knoxville, TN, USA*

Undergraduate Researcher — *May. 2016 - Aug. 2016*
- CSURE is a undergraduate research program provided by Oak Ridge National Laboratory and University of Tennessee, details available at `https://www.jics.utk.edu/csure-reu`
- Received training on high performance computing(HPC) in Oak Ridge National Laboratory.
- Project: Transformed frequently-used biophysics simulation packages into modules of an existing workflow engine openDIEL. Then implemented a Java GUI, which is able to invoke user-specified biophysics simulations in remote computer cluster and retrieve results back for analysis.

Extracurricular Activity

CityU-CS Student Mentoring Program *CityU, Hong Kong*

Student Mentor — *Jun 2017 - Present*
- Organize orientation activities to help new mentees adapt to university life.
- Meet mentees regularly, give advice on their academic study to keep them on the track.

CityU Choir Committee *CityU, Hong Kong*

Tenor Leader / Part-time Piano Accompaniment / Committee Member — *Jun 2014 - Present*
- Organize annual performance and festival concerts, and help arrange exchange tour every year.
- Conduct the training and played the piano in regular section practice.

Skills & Abilities

- **Computer skills:** C/C++, Java, Python, C#, JavaScript, SQL, Matlab, R, Scala, Linux System
- **Scientific Computing:** Parallel Computing(MPI, OPenMP), HPC usage, simulation & visualization tools
- **Machine Learning:** Caffe, Tensorflow