# HAN **YOU**

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## Education

**City University of Hong Kong**                                                                      *Hong Kong*
B.S. in Computer Science (Data Science Stream), GPA: 3.83/4.3, Rank $2^{nd}$/84            *Aug 2014 - Present*
- Awarded HKSAR Government Scholarship (USD 20,000 for two years) by HK government.
- Awarded SEAL Scholarship by Residence Hall, joined Scholarship Team to organize activities for residents.
- Awarded HKSAR Reaching Out Scholarship by HK government.

**Nanchang No. 2 High School**                                                                    *Nanchang, 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                                                                                  *Feb 2017 - Present*
- Synchronize a webcam eye tracker and a high quality eye tracker to collect data. Then use machine learning techniques to implement a time-series model, which makes use of the saliency map to improve the accuracy of the webcam eye tracker.

**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 system process performance monitoring package for Spark using C++, Python and Java, 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 play 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