HAN YOU

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Education

Yale University — *New Haven, CT, USA*
M.S. in Computer Science, expected May 2019. — *Aug 2018 - Present*

City University of Hong Kong — *Hong Kong*
B.S. in Computer Science (data science stream), GPA: 3.82/4.3, Rank 2nd/84 — *Aug 2014 - Jul 2018*
- HKSAR Government Scholarship (top 2% in university, the amount is USD 20,000)
- SEAL Scholarship (awarded by residence hall), joined Scholarship Team to organize activities for residents.
- HKSAR Government Reaching Out Scholarship.

Professional Experiences

MoonX.AI — *Shenzhen, China*
Software Engineer - Intern — *Jun - Aug 2018*
- Served as a member of Map team, developing HD Map and Semantic Map for auto-driving system.
- Developed a 3D interactive web application for simulating complicated traffic scenarios using React.js and Three.js. The application is semi-automatic, improving the map labelling speed by two times.
- Implemented the server logic using protocol buffers in C++.
- Designed testing procedures and wrote test cases in server end.

Campus Internship Scheme — *Hong Kong*
Undergraduate Research Assistant — *Jan 2016 - Jan 2018*
- Worked in Dr. Jun Fan's computational biophysics group for more than 200 paid hours.
- Tasks: 1. Performed data processing and analysis for biophysics simulation.
  2. Implemented and maintained group website.

NetX Lab — *Hong Kong*
Undergraduate Research Assistant — *May - Sep 2017*
- Implemented a system process performance monitoring package for Spark using Python and Java, which is able to monitor the network IO, disk IO and CPU used by certain processes.

Hong Kong Exchange and Clearing Limited — *Hong Kong*
Software Engineer - Intern — *Aug 2016 - Jun 2017*
- Implemented website using .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 an 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 biophysics simulation packages into modules of an existing workflow engine openDIEL. Implemented a GUI using Java Swing to invoke user-specified biophysics simulations in remote computer cluster and retrieve results back for analysis.

Leadership Experiences

CityU-CS Student Mentoring Program — *CityU, Hong Kong*
Student Mentor — *Jun 2017 - Jun 2018*
- Organized orientation activities to help new mentees adapt to university life.
- Met 10 mentees regularly, gave 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 - Jun 2018*
- Organized 5 annual performances and festival concerts, and arranged annual exchange tour.
- Conducted training and played piano in regular section practices for 70 members.

Skills & Abilities

- **Programming Languages:** C/C++, JavaScript, Java, Python, C#
- **Technologies:** React.js, Swing, Three.js, Node.js, .NET, WebGL, SQL, Linux, Spark
- **Machine Learning:** Caffe, Tensorflow, Scikit-learn