

# Harry Wang

<https://github.com/hyw2>

5699-8518

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## Education

### COMPUTER SCIENCE

Duke University, Class of 2020

GPA: 3.68

Relevant Coursework: Data Structures and Algorithms (CS201), Discrete Mathematics (CS230), Computer Architecture (CS250), Probability and Statistics (STA111), Multivariable Calculus (MA212)

### INTERNATIONAL BACCAULAUREATE

King George V School, Class of 2016

IB: 38/45

Higher Level: Mathematics, Economics, Physics

Standard Level: Computer Science, English

Literature, Chinese

## Projects

### HUFFMAN COMPRESSION

A program written in Java that allows the user to compress and decompress files through Huffman trees.

### CACHE SIMULATOR

A program written in C that takes command inputs to simulate a cache system for a CPU. Commands allow for write-back, write-through, and different organizations of caches.

### FACIAL RECOGNITION W/ TENSORFLOW

A program written that uses TensorFlow to recognize whether a person in an image is "happy" or "sad". Trained from 320 photos pulled from Google Images and Inception.

## Experiences

### CAMP COUNSELLOR/YMCA OF HONG KONG

06/2016-08/2016

Utilized leadership skills to effectively organize 10+ events with team members. Helped carry out promotional events to increase outreach to more clients. Effectively set and planned day to day agendas for clients and team members

### LAB TECHNICIAN/HKUST DIVISION OF LIFE SCIENCE

04/2013-05/2013

Prepared *Dario Rario* for micro-dissection and, embryo dissection, and feeding. Assisted researchers in selective reproduction of *Danio Rario*. Aided PhD candidates in data collection and analysis.

## Leadership

### HEAD BOY/KGV

01/2015-01/2016

Initiated and led efforts to create a student run technology support team to help assist and solve computer related issues. Had weekly meetings with school board members to budget and plan \$4 million on campus development.

### VOLUNTEER/MISSION FOR MIGRANT WORKERS

06/2015-05/2016

Taught English and technical skills to migrant workers that had been unlawfully persecuted. Utilized administrative skills to help put together and fill out paper work.

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## Skills Sets

-JAVA, C, PYTHON, GOLANG, JAVASCRIPT  
-HTML, CSS, JQUERY, PHP, TENSORFLOW

## Awards

SCHOOL SPIRIT PRIZE – KGV  
HONG KONG AWARD FOR YOUNG PEOPLE