

# Erik Xu

## High School Student

Age 15

### EXPERIENCES

#### Instructor and Teaching Assistant Hour of Code Hong Kong

2016-Present

Hour of Code Hong Kong is an organization supported by the City University of Hong Kong. I have been an instructor and teaching assistant in many of the sessions since age 9. More information at [hochk.hk](https://hochk.hk)

#### Instructor Hour of Code Hong Kong x Hong Kong Customs Department

2021-2022

Hour of Code Hong Kong and the Hong Kong Customs Department launched a joint program with the help of the Apple Education Team. I was the instructor for this program as a volunteer,

#### Teaching Assistant Hong Kong Academy for Gifted Education x Hong Kong University of Science and Technology

2021

The Hong Kong University of Science and Technology offered an advanced program to gifted students in Hong Kong in Robotics and Control Theory.

### ACHIEVEMENTS

#### Finalist City University Bright Future Engineering Talent Hub STEM Challenge

2023

Developed a concept and prototype Mars Rover using Raspberry Pi, ROS, LiDAR and SLAM

#### First Runner Up ESF Innovation Fair

2022

This is an annual competition for international school students from ages 14-18 to compete in the fields of STEM. Our team made use of Computer Vision techniques and Mathematical Analysis applied in the field of biometrics.

#### Ezra Abraham Prize for Mathematics King George V School Speech Day

2021

Each year at King George V School, there is a Speech Day where the various talents of students are recognized in the form of awards and cash prizes.

#### Second Runner Up Young Founders School Business Pitch

2018

Our team focused on a content distribution platform that made use of a subscription model in order to provide gaming content.

#### Finalist CoolThink@JC Competition

2017

The CoolThink@JC Competition is an annual competition for primary school students. It aims to teach students about a tool developed by MIT called AppInventor.

#### First App on App Store

2018

Released in my last year of primary school. It made use of the Swift programming language and was developed using UIKit and Xcode.

### ACADEMICS

John Hopkins Center  
for Talented Youth

Honors Algebra 1 | Honors Geometry | Honors Algebra 2

PSAT

1440/1520

### CONTACT INFO

📍 Hong Kong

✉️ xuj1@kgv.hk

💻 [erikxu.me](https://erikxu.me)

🌐 @erikxxu

☎️ 5427 2943

### EDUCATION

#### ESF King George V School

2018-Present

#### ESF Clearwater Bay School

2012-2018

#### ESF Abacus Kindergarten

2010-2012

### PROGRAMMING LANGUAGES

- Swift
- Python
- Javascript
- HTML
- CSS
- Nuxt.js

### HOBBIES

- Taekwondo: Black Belt, Silver Medalist
- Violin: Grade 8
- Volleyball
- Basketball
- Cinematographer

### SPORTS

Hong Kong School Sports  
Federation: Volleyball

Bronze  
2023