

Choong Zheng Yang

Curriculum Vitae

WORK EXPERIENCE

SEP – DEC 2014

Defence Science and Technology Agency (DSTA)

Intern

Data analysis project under the Research@YDSP program, writing a Twitter bot that samples tweets using the Twitter API, analysing textual content for use in event detection and sentiment analysis. Written in the Python programming language.

ACHIEVEMENTS

2017

Hwa Chong Institution (College)

Hwa Chong Diploma with Distinction

2016

Future Thinking Challenge - The Dr. Goh Keng Swee Nation Building Series

Future Problem Solving

Obtained 2nd place. Organised with the Prime Minister's Office RAHS department. Analysis of current trends, predicting future problems relating to technology and society.

NUS Faculty of Science

SPhO Silver, SChO Silver

Obtained Silver medals for Singapore Physics Olympiad (SPhO) and Singapore Chemistry Olympiad (SChO).

2015

Trinity College London

LTCL with Distinction

Licentiate of Trinity College London. Obtained Diploma for Piano performance.

EXPERIENCES

2016, 2017

Institute of Physics, Singapore

Attended IPS Meeting

2014 – 2017

Ulu Pandan PCF Centre

Programming Mentor for Students

Participated in the Coding for Children programme at UP-Stars Ulu Pandan, tutoring underprivileged children programming in Python and Scratch on a weekly basis.

2016

NUS Science Research Programme

Research Student

Data analysis for research project in Photonics. Programming of RS-232 and USB devices to communicate with Linux platform, using Arduino and Raspberry Pi for data collection.

Analysis of experimental data from a grating spectrometer, written up in gnuplot and \LaTeX .

2016

Centre for Quantum Technologies, NUS

NUS CQT Generation Q Camp

2012 – 2015

Hwa Chong Institution (High School)

Member of EC3

Electronic Computer, Communication Club (EC3). Learnt programming, web design, image editing.

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🌐	Singaporean
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EDUCATION

2016 – 2017 **Hwa Chong Institution (College)**
Science and Math Talent Programme

2016 – 2017 **DSTA Junior College Scholarship**

2012 – 2015 **Hwa Chong Institution (High School)**
Integrated Programme

2014 – 2015 **DSTA Young Defence Science Programme (YDSP) Scholarship**

LANGUAGES

WRITTEN English, Chinese

SPOKEN English, Mandarin

SOFTWARE SKILLS

COMPETENT LEVEL Python, \LaTeX

INTERMEDIATE Javascript, HTML, gnuplot, Linux, Windows, Microsoft Office

BASIC LEVEL git, bash

GITHUB github.com/zhengyangchoong

REFERENCE

MR. WEE CHORNG SHIN: Senior Teacher, Civics Tutor at Hwa Chong Institution (College)

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