SUN Yudong
孙毓栋

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Curriculum vitae

Education

2015 – 2016	Hwa Chong Institution (Junior College)

Gifted and Talented Education Programme
Specialization in Physics and Maths   2015 – 2016

Singapore - Cambridge GCE A Levels
H2 Physics, Chemistry, Mathematics, German   *4 × A's*
H3 Linear Algebra [NUS]   *Distinction*
Hwa Chong Diploma with Distinction

2011 – 2014	Hwa Chong Institution (High School / IP)

German as a Third Language   2011 – 2014
2nd in National Cohort

Science and Math Talent Programme
Specialization in Physics and Biology   2013 – 2014
Outstanding Student Award Recipient
Academic Mean Subject Grade = 1.27

2005 – 2010	Nan Hua Primary School

Co-Curricular Activities

2011 – 2016	Electronics and Computer Club

Vice - Chairman   2013 – 2014

2014 – 2016	Photonics Interest Group
2015 – 2016	Science Students' Research Council

Council Publicity I/C   2016
Physics Interest Group (Main Commitee)
International Science Youth Forum (ISYF)   2016
↳ Media and Publicity I/C

2015 – 2016	Gifted and Talented Education Program Student Committee

Engagements

2018/02 – Now	SJPO Alumni Trainer

at Hwa Chong Institution

2017/02 – Now	NSF (Army / 35SCE)
2017/01 – /02	Teaching Intern (Physics / Maths)

at Queensway Secondary School

2015/02 – 2016/06	Coding4Children

at Ulu Pandan Stars (UP Stars)

Skills and Abilities

Languages

English	Chinese	German
Excellent	Good	Good
Written and Spoken	Written and Spoken	Written and Spoken
		TestDaF (TDN 4/5/4/4)

IT Skills

Proficient   Web Design and Development using JavaScript, HTML/CSS, and PHP/MySQL

Document processing with LaTeX

Competent   System administration and automation on unix-based systems
shell scripting; deployment of servers and LAMP stacks

Python, C++
data-processing purposes used in conjuction with software such as gnuplot.

Basic   C#, Java, VBA and MATLAB
Competitive programming
Computer security

Relevant Experiences and Achievements

YDSP World of Science Modules
2015   Signal Processing
2014   Computer Security

Research Endeavours
2016   Institute of Physics, Singapore Conference
Photonics / Poster Presenter
Measuring the Temporal Correlation of Light from a Mercury Discharge Lamp

2014   Singapore Science and Engineering Fair
Env Science / Poster Presenter
Bioremediation of Strontium and Copper ions in water by Algae
In Collaboration with Loudoun Academy of Science, VA, USA

Academic Achievements
2016	Euclid Math Contest	Distinction
2016	National Olympiad in Informatics	Bronze
2015	Singapore Physics Olympiad	School Team
2015	Singapore Jr. Physics Olympiad	Bronze
2015	International Biomedical Olympiad	Bronze