



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 H3 Linear Algebra [NUS] 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 - 2014	Electronics and Computer Club
	Vice - Chairman
2013 - 2014	
2014 - 2016	Photonics Interest Group
2015 - 2016	Infocomm Club
2015 - 2016	Gifted and Talented Education Program Student Committee
2015 - 2016	Science Students' Research Council
	Council Publicity I/C
2016	
	Physics Interest Group (Main Committee)
	International Science Youth Forum (ISYF)
2016	
	↳ Media and Publicity I/C

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 Written and Spoken	Good Written and Spoken	Good 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 conjunction 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