

# KEN KEONG LEE

## PERSONAL STATEMENT

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For my final year MPhys project, I am working on "Testing models of very heavy Dark matter with the IceCube experiment". I choose this topic because it was more of a continuation of what I did for my dissertation and neutrino is somethings that I am very interested in. Neutrino oscillation showed that the SM was incomplete and I believe that neutrino would be one of the next big thing in physics and it would be something that I would love to do research in. Handling raw experimental data and analyse it is something that I enjoy as I did in my 3 year of lab courses and I am looking forward to the data analysis in my MPhys project. To do research in experimental neutrino physics is something that I could imagine doing in the future.

## INTERESTS

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<b>Neutrino Oscillations</b>	Individual Dissertation
<b>Dark Matter and IceCube experiment</b>	MPhys Project
<b>Plasmonics</b>	Individual Essay
<b>Experimental Neutrino Physics</b>	Interest
<b>Low temperature System/Superconducting physics</b>	Interest
<b>Accelerator Physics</b>	Interest

## WORK EXPERIENCE

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PERIOD	<b>July 2014 — August 2014 (Summer placement)</b>	
EMPLOYER	<b>Oxford Instrument</b>	Tubney Woods, Oxfordshire
JOB TITLE	<b>SEPnet Student summer placement</b>	
SUPERVISOR	<b>Daniel Strange, daniel.strange@oxinst.com</b>	
	Worked on a Shrink fit problem of a superconducting magnet. Responsible for designing the experimental piece and method to test various shrink fit sizes and condition for a 170cm and 120cm magnet. Result from the experiment were later scaled and used for rest of the product that required shrink fit and magnet of the same type. Also exhibited result at SEPnet Poster Exhibition 2014 in London	

## EDUCATION

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PERIOD	<b>September 2012 — July 2016</b>		
DEGREE	<b>MPhys</b>		
UNIVERSITY	<b>University of Southampton</b>		UK
	average grade, 69.5(year 2), 58.1(year 3) received a total of £9000 scholarship in tuition fee from University		
PERIOD	<b>January 2011 — June 2012</b>		
LEVEL	<b>A level</b>		
INSITUATION	<b>Tunku Abdul Rahman College(now known as TARUC) KL, Malaysia</b>		
	Physics- A*, Chemistry- A*, Mathematics- A*, Further Mathematics- A recieved full scholarship		
PERIOD	<b>January 2006 — December 2010</b>		
LEVEL	<b>SPM</b>		
INSITUATION	<b>SMK Raja Abdullah</b>		KL, Malaysia
	9A1B, equivalent to O level in UK, English 1119 - 4B		

## PERSONAL SKILLS

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<b>Language</b>	English(Native), Malay, Chinese(native), Cantonese
<b>Software Literacy proficiency(1-4)</b>	Latex(3), Python(3), Labview(1), Autocad(2), Finite element analysis-ANSYS(1) Git/Github(2), Shell Command(2), C/C++(2), MATLAB(2) 2-proper learning via lynda.com/course, 3-fairly proficient, 4-mastered

## PAST ACHIEVEMENT

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<b>High Achiever Award 2012 by TARC(maintained scholar status)</b>	
<b>Full merit scholarship for A level studies at TARC</b>	
<b>National Physics Quiz 2010</b>	Bronze
<b>National Chemistry Quiz 2010</b>	merit
<b>Level 2 Certificate in Book-keeping and Accounts</b>	

## PERSONAL INFORMATION

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<b>Visa Type</b>	UK Tier 4 (General Student)
<b>Current visa End Date</b>	11/10/2016
<b>Nationality</b>	Malaysian
<b>Linkedin</b>	<a href="https://uk.linkedin.com/pub/ken-keong-lee/9b/18b/885/">uk.linkedin.com/pub/ken-keong-lee/9b/18b/885/</a>
<b>GitHub</b>	<a href="https://github.com/hareyakana">https://github.com/hareyakana</a>

## VOLUNTARY EXPERIENCES

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<b>PERIOD</b>	March 2010, April 2011
<b>PLACE</b>	Ko Bulon and Satun in Thailand
	English Camp for under privileged/abused children organised by FGA Kepong church

## PAST INVOLVEMENT

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<b>PERIOD</b>	2009
<b>PROGRAM</b>	Culture Exchange Program with Kumamoto Gakuen University Fuzoku High School, Japan
<b>PERIOD</b>	2010
<b>PROGRAM</b>	Culture Exchange Program with Osake Furitsu Minoh High School, Japan