# Ken Keong Lee

## Personal Statement

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 there is more research needed to be done. In this project, studies on the flavor composition and energy spectrum of the neutrino event detected at IceCube were done to compare the experimental results published by IceCube.

## Interests

| | |
|---|---|
| **Neutrino Oscillations** | Individual Dissertation |
| **Dark Matter and IceCube experiment** | MPhys Project |
| **Plasmonics** | Individual Essay |
| **Experimental Neutrino Physics** | Interest |
| **Low temperature System/Superconducting physics** | Interest |
| **Accelerator Physics** | Interest |

## Work Experience

| | |
|---|---|
| PERIOD | **July 2014 — August 2014 (Summer placement)** |
| EMPLOYER | **Oxford Instrument** Tubney Woods, Oxfordshire |
| JOB TITLE | **SEPnet Student summer placement** |
| SUPERVISOR | **Daniel Strange, daniel.strange@oxinst.com** |
| | Worked on a shrink fit problem for a superconducting magnet. Responsible for designing the experimental piece and methods to test various shrink fit sizes and condition. Results from the experiment is used to improve the product designed for a client. Have also Exhibited result at SEPnet Poster Exhibition 2014 in London |

## Education

| | |
|---|---|
| PERIOD | **September 2012 — July 2016** |
| DEGREE | **MPhys** |
| UNIVERSITY | **University of Southampton** UK |
| | average grade, 69.5(year 2), 58.1(year 3) |
| | received a total of £12 000 scholarship in tuition fee from University |
| PERIOD | **January 2011 — June 2012** |
| LEVEL | **A level** |
| INSITUTION | **Tunku Abdul Rahman College(now known as TARUC)** KL, Malaysia |
| | Physics A*, Chemistry A*, Mathematics A*, Further Mathematics A |
| | recieved full scholarship |
| PERIOD | **January 2006 — December 2010** |
| LEVEL | **SPM** |
| INSITUTION | **SMK Raja Abdullah** KL, Malaysia |
| | 9A1B, equivalent to O level in UK, English 1119 - 4B |

✉ KKL2G12@SOTON.AC.UK/HAREYAKANA@HOTMAIL.COM  ☎ (+44) 79232 01955

## Personal Skills

| | |
|---|---|
| **Language** | English(Native), Malay, Chinese(native), Cantonese |
| **Software Literacy** | Latex(3), Python(3), Labview(1), |
| **proficiency(1-4)** | Autocad(2), Finite element analysis-ANSYS(1) |
| | Git/Github(2), Shell Command(2), C/C++(2), MATLAB(2) |

<div align="center">2-proper learning via lynda.com/course, 3-fairly proficient, 4-mastered</div>

## Past Achievement

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

## Personal information

| | |
|---|---|
| **DOB** | 13/07/1993 |
| **Visa Type** | UK Tier 4 (General Student) |
| **Current visa End Date** | 11/10/2016 |
| **Nationality** | Malaysian |
| **Linkedin** | uk.linkedin.com/pub/ken-keong-lee/9b/18b/885/ |
| **GitHub** | https://github.com/hareyakana |

## Voluntary Experiences

| | |
|---|---|
| PERIOD | March 2010, April 2011 |
| PLACE | Ko Bulon and Satun in Thailand |

English Camp for under privileged/abused children organised by FGA Kepong church

## Past Involvement

| | |
|---|---|
| PERIOD | 2009 |
| PROGRAM | Culture Exchange Program with Kumamoto Gakuen University Fuzoku High School, Japan |

| | |
|---|---|
| PERIOD | 2010 |
| PROGRAM | Culture Exchange Program with Osaka Furitsu Minoh High School, Japan |