Ken Keong Lee

Personal Statement

I am looking for opportunities to start afresh in a new career. I believed my training experiences as a physicist which required me to adapt and learn new things constantly. My past research in fundamental physics involved both theoretical and experimental aspect. It also did involved me to go beyond the area of physics and learn things in the area of computer science and engineering for the enhancement of my physics research. I am open to opportunity related to data scientist and programming.

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. Designed the experimental piece and methods to test various shrink fit sizes and condition. Results were exhibited at SEPnet Poster Exhibition 2014 at Royal Engineering of Academy in London	

Education

Period	**October 2016 — March 2020**	
Course	**Experimental Physics***	
University	**Osaka University**	Japan
	*completion of studies with credits, 3 years MEXT Scholarship, 6 months research assistant Cryogenic sensor bolometer development for neutrino physics, Unsupervised learning for rare physics event search, hareyakana.github.io/landfill	
Period	**September 2012 — July 2016**	
Degree	**MPhys**	
University	**University of Southampton**	UK
	Second Class Honours(Upper Division), £12 000 scholarship in tuition fee from University Theoretical Astrophysical Neutrino Studies at IceCube	
Period	**January 2011 — June 2012**	
Level	**Advance Level**	
Institution	**Tunku Abdul Rahman College(TARUC)**	KL, Malaysia
	3A*1A, full tuition scholarship, pre-university/high school equivalent	
Period	**January 2006 — December 2010**	
Level	**SPM**	
Institution	**SMK Raja Abdullah**	KL, Malaysia
	9A1B, Odinary level equivalent	

Personal Skills

Language	English(native), Chinese(native), Malay(Fluent), Japanese(Conversational), Cantonese(Conversational),
Programing/Software	Python, C/C++, CAD, Labview, LaTeX, Microsoft Office Pytorch, FEA-ANSYS, KiCAD, ROOT, Geant4 Git, Markdown, Shell(Unix), SSH, MATLAB Linux(Fedora), Mac OS X, Windows
Experiences	Dilution refrigerator, wire bonder, high vacuum system Cumulative 3 months Kamioka Observatory shift

✉ hareyakana@hotmail.com ☎ (+81)07042989481

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	recieved 2010

Personal information

DOB	13/07/1993
Nationality	Malaysian
Visa status	student visa(Japan) expires in 28/9/2020
Linkedin	uk.linkedin.com/pub/ken-keong-lee/9b/18b/885/
Personal Homepage	hareyakana.github.io

Past research

Anomaly search through Unsupervised Machine Learning	Phd Project
Neutrinoless Double Beta Decay	Phd Project
Low temperature Bolometer Development	Phd Project
Dark Matter and IceCube experiment	MPhys Project
Neutrino Oscillations	Individual Dissertation
Plasmonics	Individual Essay

Conferences/Articles/etc.

- International workshop on Revealing the history of the universe with underground particle and nuclear research 2019 Tohoku 2019 - "Development of Scintillating Bolometer for CANDLES"(Poster) *co-authored*
- JPS Autumn 2019 meeting - "Bolometer Development using Neutron Transmutation Doped Ge in CANDLES for the study of Neutrinoless Double Beta decay" *main presenter*
- TAUP 2019 - "Status of ^{48}Ca double beta decay search and its future prospect in CANDLES" *co-presenter*

Voluntary Experiences

Period	March 2010, April 2011
Place	Ko Bulon and Satun in Thailand
	English Camp for under privileged/abused children

Past Exchange 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

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