

ケンリイ KEN KEONG LEE

WORK EXPERIENCE

PERIOD	Aug 2020 ~	
EMPLOYER	Zentel Japan ゼンテルジャパン	大阪
JOB TITLE	Senior Engineer 主任技師	
	JEDEC compliant DRAM circuit design, mainly Spice verification. Involved in ~4 projects, including one custom DRAM project. Tech node ~20nm, > 1α Job scope involves from standard cells, circuit block design, verification. Job task involved layout, digital&Analog circuits. Good grasp on RTL to GDS workflow and DRAM testing methods	
PERIOD	Oct 2019 — March 2020	
EMPLOYER	Osaka University 大阪大学	
JOB TITLE	Research Assistant	
	Assist in collecting literature and writing research summary	
PERIOD	July 2014 — Aug 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	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	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	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, O level equivalent	

PERSONAL SKILLS

Language	English(native), Chinese(native), Malay(Fluent), Japanese(Conversational, 日本語能力試験 JLPT N2), Cantonese(Conversational)
Programing/Software	Cadence/Synopsys ecosystem, spice, verilog 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

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 個人情報

DOB	13/07/1993
Nationality	Malaysian
Visa status	技術・人文知識・国際業務 expires in 13/7/2025
Linkedin	uk.linkedin.com/pub/ken-keong-lee/9b/18b/885/
Personal Homepage	hareyakana.github.io/cv/

CONFERENCES/ARTICLES/ETC.

- Phys. Rev. D 103, 092008 - CANDLES Collaboration "Low background measurement in CANDLES-III for studying the neutrino-less double beta decay of ^{48}Ca " *co-authored*
- 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*

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

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