

TAN EUGENEeeugenettan@gmail.com

(+65) 9696 2165 (Mobile)

EDUCATION**National University of Singapore – Faculty of Engineering****Singapore***Bachelor of Engineering (Electrical Engineering)*

Aug 2016 – Dec 2019

Second Major in Innovation & Design

- Honours with Merit
- Relevant coursework: Feedback Control System
- Study trip to Hong Kong & Shenzhen – STEER (2017)

Singapore Polytechnic – School of Electrical and Electronic Engineering**Singapore***Diploma in Clean Energy*

Apr 2011 – May 2014

- Cumulative GPA: 3.729
- Diploma-Plus: Certificate in Business

WORK EXPERIENCE**Structo Pte Ltd****Singapore***Electrical Design Intern*

May 2018 to Jul 2018

May 2019 to Aug 2019

- Shadowed the Senior Design Engineer on PCB making and testing of electrical concepts
- Proposed solutions to counter and improve the inconsistency in intensity of UV light
- Designed various jigs to improve the 3D printer and quality inspections of materials

Yida Photovoltaic Equipment Co Ltd (OITP)**Singapore***Engineering Assistant*

Mar 2012 to Apr 2012

- Learnt the procedures and equipment needed to implement a photovoltaic system
- Designed a photovoltaic system with various household needs

RELEVANT AWARDS & EXPERIENCE**Emergency Care on the Fly (Final Year Project)****Singapore***Electrical Design Engineer*

Aug 2018 – Apr 2019

- Designed a Wearable Communication Device that assists in lifesaving efforts
- Overall in-charge of the electrical aspects of the project

Venture Funding (NUS)**Singapore***1st Place*

Nov 2017 – May 2018

- Proposed innovative ideas for pitching and funding
- Identified the needs and problems of Singaporean commuters

Design for Humanity Challenge (NUS)**Singapore***1st Runner-up*

Jul 2017 – Jul 2017

- Designed a tool to integrate the TAR syndrome citizens into the working society

Chinese Gardens (Final Year Project)**Singapore***Design Process Improvement Team*

Oct 2013 – Feb 2014

- Proposed an upgrade of light decorations for Chinese Garden
- Designed a solar-powered system and floating light display platform

Hackathons and Events**Singapore**

- NUS-hosted: Innoventure, Maker-thon and EnlighteNUS IEEE hackathon
- External: Smart Bus Challenge (LTA), Code-A-Thon, Lifesavers' Innovation (SCDF) and OneService Challenge

CO-CURRICULAR ACTIVITIES

NUS Tchoukball Varsity Team

Member

Singapore
Apr 2017 – Sep 2019

NUS Biathlon

Programme Director & Safety Officer

Singapore
Nov 2018 – May 2019

NUS L'derly Befrienders

Regular Service Member

Singapore
Apr 2016 – Jan 2019

Singapore Polytechnic Tennis Team

Member, 2012 Novice Open Champion

Singapore
Apr 2011 – Apr 2014

Greenridge Secondary School Basketball Team

Captain

Singapore
Apr 2009 – Apr 2010

SKILLS AND ABILITIES

Software: Knowledge of programming in C, Verilog, Python, Assembly Language, Java and PLC. Experience with Microsoft Office Suite, AutoCAD, National Instruments Multisim, National Instrument LabView, MATLAB, KiCAD

Soft Skills: Responsible individual, able to lead and a good team player, pays attention to details, persevere through obstacles

Languages: Fluent in spoken and written English and Mandarin