

# Kwa Jian Quan

**Phone** 8338 2157  
**Date of Birth** 10/04/2003

**Email** jianquan08@gmail.com  
**LinkedIn** linkedin.com/in/kjianquan

## **SKILLS**

**Computing:** C (embedded systems), C#, Python, HTML, CSS, JavaScript

**Engineering:** CAD Design, PCB Design, 3D Printing, Laser Cutting, Electrical Soldering and Debugging

Projects viewable at: [K-J-Q.github.io/projects](https://github.com/K-J-Q/projects)

## **EDUCATION**

**Nanyang Polytechnic, Singapore (2020 – 2023)**

Diploma with merit in Electronic & Computer Engineering and Diploma Plus | GPA: 4.0/4.0

Calyon Creativity Award, 1<sup>st</sup> in School and Course, Outstanding Project work

**Pei Hwa Secondary, Singapore (2016 – 2019)**

Distinction (A1) for STEM subjects: Mathematics, Additional Mathematics and Science. Robotics VP.

- Spearheaded teams in CoSpace competitions as Vice-President
- Utilized EV3, Scratch and Arduino technologies to develop multiple projects for showcase

## **CERTIFICATIONS**

**Professional certifications:** CAPM, CSM, ITIL4 Foundation, CEH, CUA and Power BI

**Google Careers professional certificates:** Adv. Data Analytics, IT Automation and Cybersecurity

**DeepLearning.AI specialisations:** Machine Learning, Deep Learning, NLP and GAN

## **EMPLOYMENT**

IWOW CONNECTIONS – testimonial below

Associate Software Engineer, March 2023 – September 2023

- Developed C codes on microcontroller and drivers.
- Designed and fabricated automated test cases and test jig.

DSO NATIONAL LABORATORIES (Internship) – testimonial below

Machine Learning, September 2022 – February 2023

- Achieved 92% accuracy on small, lightweight model.
- Implemented and optimised a fully custom model pipeline.
- Designed Graphical User Interface to display model output, and aid in data visualisation.

GRAB HOLDINGS

Mapping Coordinator/Data, September 2020 – October 2020

- Generated and audited client's search request to the actual location.
- Provided better search results by improving the POI (Point of Interest) database.

## **HONORS AND AWARDS**

**Calyon Creativity Award:** 2023

**Institution of Engineers GOLD medal:** 2023

**SICK Product Center Asia GOLD medal:** 2023

**SICK Product Center Asia Outstanding project work:** 2023

**DSO Diploma Scholarship:** 2021

**Director's List:** All semesters

**Skills Award:** 2023

**Innovative Project Award:** 2020 and 2021

**M5 Stack Innovation Award:** 2021

**Engineering Innovation Challenge (1<sup>st</sup> runner up):** 2021

**Academic and Leadership (EAGLES):** 2019

**Service Award for vice-president of Robotics:** 2019

**Peer Tutoring:** 2021 and 2022

Certificates viewable at: [K-J-Q.github.io/certificates](https://K-J-Q.github.io/certificates)

## TESTIMONIALS (1/2)

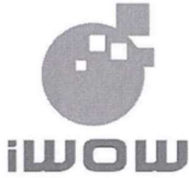
### INTERNSHIP PROGRAMME COMPANY EVALUATION OF STUDENT'S PERFORMANCE

*To be completed by Industry Supervisor (IS)*

Company Name	<u>DSO NATIONAL LABORATORIES</u>	Supervisor Name	<u>Tan Ping Liang</u>
Student Name	<u>Kwa Jian Quan</u>	Student Admin No	<u>202525R</u>
Start Date	<u>5-SEP-22</u>	End Date	<u>18-FEB-23</u>

Attribute	Marks* Please circle accordingly	Comments, if any
<b>Workplace</b>		
1. Work Ethics and Professionalism	(10) 9 8 7 6 5 4 3 2 1	JQ is punctual and completes his work on time, consulting me whenever necessary.
2. Professional Proficiency	(10) 9 8 7 6 5 4 3 2 1	JQ has shown a wide breadth of competencies and skills — from hardware to software.
3. Quality of Work/ Work Outcomes	(10) 9 8 7 6 5 4 3 2 1	JQ managed to come up with a demo at the end of his internship — a rare achievement for interns at his level.
4. Communication and Teamwork	(10) 9 8 7 6 5 4 3 2 1	JQ consults well with me and his peers.
5. Independent Learning Skills	(10) 9 8 7 6 5 4 3 2 1	JQ independently learnt how to manage his time and develop a workflow for his ML project.
<b><u>Comments by Industry Supervisor (for rating of 9 or higher, please provide specific examples)</u></b> JQ successfully demonstrated his work through a working desk-top app in front of my lab and director. This is a rare achievement for interns at his level who usually only show machine learning results on a testset. JQ took initiatives to ensure that the demo went well. Overall, JQ showed strong interest in a wide range of engineering topics. The breadth and depth of his engineering interest will serve him well.		

## TESTIMONIALS (2/2)



iWOW Connections Pte Ltd

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<http://www.iwow.com>  
Company/GST Registration No. : 200010050Z

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21<sup>st</sup> August 2023

To whom it may concern

### TESTIMONIAL

Kwa Jian Quan [REDACTED] completed a 6-month contract with iWOW Connections Pte Ltd as an Associate Software Engineer from 13 March 2023 to 1 September 2023. During this period, he works closely with the team on multiple projects and completed the followings:

NDA - contact for details

Jian Quan is a diligent individual who strives for excellence in whatever he is doing. He is organized, disciplined, and always determined to deliver his work on time. He is also quick-witted and managed to problem-solve most of the time.

I am happy to act as a reference for Jian Quan and you may contact me if you need further clarification.

Yours sincerely,

A handwritten signature in black ink, appearing to be 'Mah Kian Yen'.

**Mah Kian Yen**  
Chief Technology Officer  
iWOW Connections Pte Ltd