

# Mr. THANONCHAI KHIANJAI

[Mechatronics Engineering]

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## Personal Information

<b>Age:</b>	26	<b>Nationality:</b>	Thailand
<b>Birth Date:</b>	25 March 1994	<b>Religion:</b>	Buddhism
<b>Sex:</b>	Male	<b>Height</b>	170 cm
<b>Marital Status:</b>	Single	<b>Weight:</b>	65 kg
<b>Military Status:</b> Exempted			

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## Education History



- Cert. Of Voc.Ed. in Mechatronics. at Lampang Technical College, Lampang.

**2014**



- King Mongkut's University of Technology North Bangkok (Thai – German)  
Bachelor Degree in Mechatronics Engineering. (KMUTNB)

**2016**

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## Certificate

- The TESA Top Gun Rally 2015 (Thai embedded systems association) at Thammasat University

**Jan 2015**

- The TESA Top Gun Rally 2016 (Thai embedded systems association) at Mae Fah Liang University

**Jan 2016**

- ABU Robot contest 2014 (A Salute for Parenthood)

**2014**

- ABU Robot contest 2015 (Robominton-Badminton RoboGame)

**2015**

- MATLAB & SIMULINK Tutorial Workshop for Automotive Industry

2016

- Trainee Production Engineer at F. Tech Mfg. (Thailand), Ltd.

“AGV (Auto Guide Vehicle) Project and Training Robot for Welding & Basic PLC Omron”

June 2016 - Aug 2016

- Assistant lecturer for project STEM for TVET CAMP by Chevron

2016

- Final Project “Demonstration of Injection Glue Along the Edges Material Automation by Images Processing”

(Use PLC for control and use LabVIEW for programming about machine vision)

2017

- Computer Training “Solid Works Simulation” at King Mongkut's University of Technology North Bangkok

2017

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## Work Experience

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- **Doulon Electronics Co., Ltd**

**Position:** Junior R&D Engineer PCB CAD Design (Altium designer)

**Job Descriptions:** Complete design, from concept to working product

- Microprocessor/Microcontroller based systems (ARM, Microchip, Atmel, Cypress etc.)
- Medical instrumentation, analogue and digital signal processing
- Control systems
- Power and battery management
- Very low power design (very long battery life products)
- User Interface (LCD/LED displays, touch-screen, keypads, audio)
- Web link: <https://doulonelectronics.com/case-studies/>

2017-2018

**- Italian-Thai development public company limited****Position:** Electrical Engineer / Tunnel Engineer**Job Descriptions:** Work on Chidlom Cable Tunnel Project

- Responsible for the electrical and control system of the TBM: Tunnel Boring Machine

The TBM we used the PLC for control all process works of the machine the example copy cutter system, conveyor system for conveying the soil out, tunnel airflow system, etc.

- Meeting with the engineering team to discuss the scope and scale of the project.
- Creating rough draft designs and listing possible engineering tasks.
- Finalizing the tunnel design and managing all engineering tasks.
- Assisting with the qualification of potential contractors.
- Providing contractors with technical drawings and engineering documents.
- Providing program support and resolving construction issues.
- YouTube link: <https://www.youtube.com/watch?v=NEPbQLsuTcs>

**2018-2019**

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**Skills**

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**Technical skills**

- Mechanics jobs
- Pneumatic
- Wiring jobs for the electrical control cabinet
- Fast learning and hard working.

**Computer Programming Skills**

- PLC & Touchscreen software develops (Siemens, Mitsubishi, Omron, Beckhoff)
- Designs (Sketch, Solid works, Basic AutoCAD)
- Electrical & Simulation (Proteus, Automation Studio, Altium designer)
- Programing software (.net, C/C++, C#, Microcontroller, Basic database, Basic Web app, Basic Java, Basic machine vision by NI vision, LabVIEW, MATLAB, Visual studio)

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### Activities & Interests

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- About modern industries
- Update new technology
- Reading a book
- Learn programming and listen to music
- R & D Engineer
- Service Engineer