

Phattharaphon Chamnoganuwat

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Personal Summary

I am currently in my final year of university with my knowledge about electrical and mechanical of an automobile who has experience in the sale of automobile products. I have experience as a mechanic at the garage shop which involves technical knowledge and skills in the automobile field. I interested in a new technology of automobile, Pipe, Pump, and CAD design. I always keep up-to-date with the latest automobile and techniques. I have the ability to work well under pressure and good in teamwork. I am ready to learn new things.

EDUCATION

Bachelor's degree : 2015 - Present

Kasetsart University

International Undergraduate Program

Faculty of Engineering

Major: Mechanical Engineering

NOTABLE PROJECT

Development of formula student Electric Vehicle user interface for automotive battery management system

- Researched CANBUS communication and operation on the electric vehicle.
- Complied data and designed automotive user interface by LabVIEW program.
- Analyzed data from the EMUS BMS control unit based on safety factor.

SOFTWARE

- Siemens NX
- Solidwork
- Ansys
- AutoCad
- MS office
- MATLAB
- LabVIEW National Instruments
- Python ,C# , C++
- Arduino

COMPETITION

- Joined REV UP Project at Bangkok Drag Avenue Raceway

Mar 2016

- Serviced Nissan Skyline R33 and R34 all of 3 matches challenge.
- Recorded and analyzed engine data in every round to suggest the driver.
- Solved mechanical and electrical system problems when an engine operates abnormally.

- Joined TPA Robot Contest Thailand Championship 2020

Organized by Technology Promotion Association
(Thailand - Japan)

- Joined Jinpao Automation Contest 2020

WORK EXPERIENCE

- **On Board Diagnosis (OBDII) Sale & Service Support**

Jan 2015 – Dec 2018

- Imported On Board Diagnosis (OBDII) products from Germany, Italy, USA, Japan, Russia, and China.
- Trained new technicians and suggested technical about engine data, engine sensors, powertrain, interior sensors and safety sensors.
- Given the information wiring diagram of ECU such as Hitachi, Denso, Mitsubishi, Bosch, Siemens, Transtron, and Continental.
- Offered products and additional services that are relevant to client needs and requests.
- Assisted in problem-solving and brainstorming solutions to existing concerns.
- Worked with automobile service center and aftermarket garages.

- **Technician support**

Jan 2015 – Present

- Maintained European and Japanese sport cars in part of the Transmission AT and CVT, engine, ABS Brake System, Power Steering, and suspension.
- Solved all of the electrical systems in cars.
- Improved UI on board diagnosis software for CANBUS signal by python.
- Recorded CANBUS data log from ECU for analysis function in the car.
- Supported TOYOTA Thailand crew for TOYOTA Revo on tour event 2016. And consulted about engine data record and configuration with Garmin Virb XE OBDII.
- Modified engine no. 1JZ-GTE and 2JZ-GTE of Toyota Supra, RB26DETT, RB25DETT, RB20DETT, and SR20DET of Nissan Skyline for high performance.
- Designed and researched prototype intake manifold of RB26DETT engine by 3D CAD software.
- Simulated airflow inside intake manifold of RB26DETT engine by CFD simulation software.

CERTIFICATION

- BANGKOK VOCATIONAL SCHOOL

Automotive Mechanic of Diesel Engine | 2016 - 2017

- Cons Robotics Co., Ltd

Basic Python and Web Scraping | Jun 2019