

PRAT PRASERTSUP

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SUMMARY

A newly graduated engineer who is eager to learn and experiment with new things. I have a background in automotive engineering and have some experience designing mechanical parts. I am seeking for an opportunity to learn more about the automotive industry and be a good team player that contribute to the company success.

SKILLS

- CAD (CATIA V6, Fusion360, AutoCAD)
- Matlab
- Simulation, Finite element analysis
- Python
- Web Application
- Detail-Oriented
- Problem-solving
- Open to learning
- Teamwork

LANGUAGE

- Thai (Mother-tongue)
- English (Fluent, TOEIC 920)

PROJECTS

Autonomous Vehicle Incident Database (Final Project)

Dec 2022 - May 2023

- Process vehicle's raw data including data conversion, noise filtering and time synchronization.
- Design and evaluate Incident detection algorithms
- Create a NoSQL database with MongoDB to store incident data.
- Create web applications with Django for interactive dashboard and incident query

EV Concept Car, Electric SUV

2023

- Design Chassis & Structure for EV skateboard platform
- Validate design with max load cases and Finite element analysis.

CAD Project

2022

- Model an Electric Bicycle in CATIA consisting of more than 20 parts.

Electronics Project

2022

- Build an obstacle avoidance and lane following vehicle with Raspberry Pi, camera, motor, and sensor.

WORK EXPERIENCE

Bangchak Corporation Public Company Limited (Product Development)

June 2022 - July 2022

- Benchmark company's product with competitors
- Gather customer's pain points and seek improvements
- Analyze customer's data (e.g. battery usage, mileage, driving habits) and design new leasing packages accordingly.
- Create workflow diagrams of the organization for new employees to follow

EDUCATION

International School of Engineering, Chulalongkorn University

2019 - 2023

Faculty of Automotive Design and Manufacturing (GPAX: 3.28 , Second Class Honors)

Suankularb Wittayalai School

2012 - 2018

Science-Math Program (GPAX: 3.87)