

NATTAWAT RATTANALANGKARN

Data Analyst / Project Management / Senior Engineer

Passionate project management professional with an engineering design background, driven to create meaningful change through data analytics. Proven track record of delivering effective solutions and fostering productive relationships. Seeking a career transition to the data analytics field, where I can apply my passion for leveraging data-driven insights to drive impactful outcomes.

Skills

- Data Cleaning & Data Visualization
- SQL & R Programming
- Tableau
- Analysis & Reporting
- Project Coordination
- Agile Project Management
- Problem-Solving
- Risk Management
- Microsoft Excel, PowerPoint
- Engineering Design
- Engineering Drawing
- CATIA (CAD Software)

About me

Date of Birth: Nov. 18, 1993

Gender: Male

Nationality: Thai

Contact

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Pathumthani 12130, Thailand

Education

**Bachelor of
Mechanical Engineering**
Kasetsart University,

Bangkok, Thailand

2012-2016

- Designed service robot for Robocup Japan Open 2014, **showcasing teamwork and problem-solving.**
- Contributed to designing AUV for RoboSub 2014, **highlighting cross-functional collaboration.**
- Part of a race car design team for SAE Japan 2015, **demonstrating project management and team coordination.**
- Oversaw senior project on a medical stand-up assisted device, **showcasing leadership, and innovation.**

Certifications

- **Data Analytics**
(Professional Certification)
- **Project Management**
(Professional Certification)
- **AI for Everyone**
- **Strategy and Sustainability**

Language

- Thai (Native speaker)
- English (TOEIC : 775)
- Japanese (Level: N3)

Experience

○ Data Analyst

Google Data Analytics Professional Certification & Self-Studying

Jan. 2023 - Present

- **Developed marketing campaigns by analyzing usage and trends of fitness tracker data** from open-source datasets (personal project). **Managed over 2 million rows of data using SQL**, ensuring data validation, cleaning, and conducting in-depth analysis. Summarized findings and insights in a compelling presentation, **utilizing Tableau for data visualization.**
- For further detail on the project, **please refer to my portfolio website below:**
<https://nattawat-r.github.io/Nattawat-Portfolio.github.io/>

○ Project Team Leader / Senior Engineer

Toyota Daihatsu Engineering & Manufacturing

Samut Prakan, Thailand

Jul. 2020 - Dec. 2022

- **Oversaw global projects and reported summarized findings to top management** for vehicle exterior parts development.
- **Developed cost-effective solutions and proposed innovative concepts**, such as the new combined rear bumper structure, **resulting in cost savings of over 50%** compared to conventional ways while meeting regulations and customer needs.
- **Communicated project expectations, scopes, and schedules to team members and stakeholders across various teams, resulting in smooth execution and zero issues**, even with unconventional concepts.
- **Applied agile methodology to the team**, including managing task dependencies and adapting to change, **resulting in a 25% reduction in the development process** and motivating team members to promote productivity.
- **Utilized strong problem-solving skills to address customer claims problems**, such as introducing an unconventional lamp structure change **to keep cost target, and managed to keep part costs to a minimal increase of only 1%** through investigations, hypothesis development, and tackling complex business challenges.
- **Proactively identified risks and devised contingency plans such as addressing a major potential time risk in a new project** and conducting advanced engineering studies for **ensuring that all new development parts passed required tests 100% before main production began**, enabling the team to navigate obstacles, avoid project failures, and ensure timely delivery.

○ Senior Engineer

Toyota Motor Corporation

Aichi, Japan

Jul. 2019 - Jun. 2020

- Contributed to the **development of comprehensive engineering documents by providing input on design requirements and technical specifications.**
- Demonstrated attention to detail in **drafting high-quality engineering designs and plans that met industry standards.**
- Generated detailed **documents and reports activities and findings.**
- **Mentored junior engineers**, fostering their professional growth.

○ Design Engineer

Toyota Daihatsu Engineering & Manufacturing

Samut Prakan, Thailand

Jun. 2016 - Jun. 2019

- **Collaborated within a team** to design vehicle exterior parts, considering requirements such as regulations, engineering feasibilities, and customer needs.
- **Assisted in drafting documentation detailing design requirements and technical specifications** for vehicle exterior and lamp parts.