



PONGPISUT KONGDAN



412/206 Phahonyothin Rd, Phayathai, Bangkok, Thailand 10400



(+66) 89-816-8360



pkongdan01@gmail.com



<https://pkong001.github.io>



<https://www.linkedin.com/in/pong-k/>

PROFESSIONAL SUMMARY

Seven years of diverse experience and a solid foundation in both engineering and management, possessed a keen analytical mindset and now aspire to leverage my skills and propel my career toward the dynamic realm of data science. This aligns perfectly with my innate passion for harnessing the power of data to drive informed decision-making and navigate the rapidly evolving business landscape.

Throughout recent years, I have demonstrated a strong commitment to continuous learning and self-improvement, particularly in developing my technical aptitude, proactively engaged in a wide range of activities aimed at expanding my knowledge and honing my proficiency in various cutting-edge technologies.

PERSONAL PROJECT

- Developed classification models to predict the success rate of rocket launches, with the best accuracy of 94%.
- Developed a model to predict customer churn rate using a neural network with sigmoid functions, with a final model accuracy of 91%.
- Developed a web scraping bot to gather and analyze job searches by keywords.
- Developed a web scraping bot to gather public hospital information.
- Create a trading bot using ML (the first version used LSVM, and the second version used LSTM).
- More on my website and GitHub repositories.

EDUCATION

Sasin Graduate Institute of Business Administration of Chulalongkorn University

2000 – 2022

Master's Degree in Business Administration; *Overall GPA: 3.56*

Kasetsart University

Bachelor's Degree in Mechanical Engineering; *Overall GPA: 2.65*

2011-2015

LINGUISTIC SKILLS

- Native Thai
- Fluent in English (Duolingo score: 125 | IELTS score: 6.5)

SKILLS

Engineering:

- Preventive Maintenance Planning and Corrective Maintenance Processing.
- Systems: booster pump, elevator, HVAC, WWTS, medical gas, cleanroom, fire protection system, electricity distribution system, generators, and transformer.

Management:

- Top 3 strengths:
 - Leadership
 - Decision Making
 - Time Management
- Contract Management
- Project Management
- Team Building
- Business Strategy Planning
- Basic financial planning

Data and Programming:

- Machine Learning: Scikit-learn, Keras, TensorFlow
- Programming Languages: Python, R
- Database Query Language: SQL
- Website Front-End Development: HTML, CSS, JavaScript
- Visualization Tools: Tableau
- Version Control System: Git

Other Skills:

- Hospital Management Software: HIS, PAC, RIS, and LIS
- Engineering Design Software: SolidWorks, AutoCAD, Simio, CMMS (e.g., Maximo)
- Microsoft Office and Microsoft Server
- Investment and trading
- IT Infrastructure: Network Infrastructure

EXPERIENCES

Freelancer on Upwork

Jan 2023 – Now

Data Scientist, Excel Expert, and Data Steward (Part-time)

- Excel manipulation, designing and customizing, creating interactive dashboards, and implementing advanced formulas upon client requests.
- Developed models to solve certain problems depending on client needs. utilizing both manual search and scraping bots. I provided comprehensive data solutions, ensuring accuracy and integrity.

Indorama Ventures PCL**Jun 2022 – Aug 2022*****Sustainability Intern (Part of master's degree in business administration)***

- Determined the best processes and points of penetration for IVL to enter the recycled fiber supply chain.
- Determined high-value-added products from recycled fibers. Especially for hygiene, mobility, and lifestyle products, with a focus on the lifestyle industry.

Namarak Company Limited**Sep 2017 – May 2022*****IT Specialist (Full-time)***

- Responsible for all IT infrastructure and managing software.
- Responsible for all IT-related activities, both software and hardware.

Key Achievements:

- Designed and implemented an automated KPI dashboard for IT and engineering departments.
- Maintained all KPIs to exceed the defined standard.
- Implemented Hospital Information System (Dev) and paperless platform (Wolf)
- Managed over ten service contracts, saving a total of 3 million baths.

Facilities Manager (Full-time)

- Ensured hospital building and medical equipment management procedures complied with the laws, regulations, building codes, and fire safety codes.
- Conducted safety policies and fire drills to comply with laws and regulations.
- Performed administrative functions, provided performance reporting, and enforced policies.
- Cooperated with management teams and planned for annual budgets, aiming for improved cost efficiency and cost reduction.
- Designed, developed, and improved working procedures and hospital standards.
- Operated, performed repair tasks, and planned preventive maintenance for all facilities, utility systems, and medical equipment.
- Managed spare parts and consumable materials.
- Verified bill of quantities, project timeline, and chose subcontractors for new projects or renovations.
- Analyzed the hospital building and determined whether upgrades or renovations were required.
- Was responsible for managing the utility system and medical equipment inventory.
- Ensured all urgent building faults were solved within the specified time.
- Was responsible for all contacts in the engineering department.

Key Achievements:

- Established a solid workflow and developed all working procedures for IT and engineering departments and documents, including 12 SOPs and 17 WIs.
- Completed a construction project of the Namarak Hospital building from the ground up.

RFS Company Limited**Aug 2016 - Aug 2017*****Mechanical Engineer (Full-time)***

- Planned preventive maintenance tasks and oversaw sub-contractors and technicians on-site for mechanical engineering fields including HVAC, medical gas, and cleanroom systems.
- Performed corrective maintenance tasks and supervised technicians on-site.
- Implemented a computerized maintenance management system (MAXIMO) for the engineering department.

- Oversaw subcontractor on-site for the new project to ensure that construction conformed with the approved plans and specifications.

Creo Modo Team

Feb 2016 - Apr 2016

Medical Equipment Designer (Full-time)

- Design medical equipment based on function for specific jobs using SolidWorks.
- Establish a prototype to inspect whether the design is functioning.

Key Achievements

- Designed and completed a brain-sensing headband prototype using SolidWorks and 3D printing machines.

Qualitech Public Company Limited

May 2015 – Dec 2015

Project Development Engineer (Full-time)

- Selected machines for the new project "Destructive Testing Lab".
- Designed the layout and building architecture plans using AutoCAD.
- Planned for a new startup business, including business model, budgeting, marketing, and SWOT.

Key Achievements:

- Completed construction planning for the new business (the construction was completed within one year after my resignation).

TRAINING AND COURSEWORK

• License for Professional Practice:	COE
• Associate Mechanical Engineer	
• 3D Modeling with SolidWorks:	TGI
• Uncertainty of Measurement for ISO/IEC 17025	TGI
• SolidWorks Advance Part Modeling:	TGI
• Project Management in Practice:	EIT
• Mechanical Engineering Basics:	ACAT
• Facility Management:	TGI
• ISO 9001 Internal Auditor:	PWS CN
• JCI Accreditations standard for Hospital	AIM-MITR CN
• Google Data Analytic	GOOGLE
• IBM Data Science Professional	IMDB

OTHER PARTICULARS

Date of Birth	9 September 1992
Nationality	Thai
Availability	Immediately
Expected Salary	Negotiable
References	References available upon request