

Paphonwit Chaiwatanodom

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Education

Massachusetts institute of Technology, Cambridge, MA, USA

Graduated PhD of Chemical Engineering and Master of Chemical Engineering Practice (2013 – 2021)

Research Topic: Data-driven Fault Detection and Identification Algorithms, Anomaly detection for oil and gas well operations

- Led a team of top six finalists in MIT Data Hackathon 2015.
- Fulbright scholar open competition, 2013
- Side project: MedAssist, fall detection device for the elderly

Chulalongkorn University, Bangkok, Thailand

Graduated with Bachelor of Engineering, first class honors, Summa Cum Laude in Chemical Engineering (2008 – 2012)

- His Majesty King Bhumibol Award for graduating first in the class of 1000 engineering graduates. 2012
 - Awarded with Medal for Excellent Academic Performance from His Royal Highness Crown Prince Maha Vajiralongkorn Foundation. 2012
 - Researched on parameter estimation using new partial least square regression technique applicable to complex chemical process with MATLAB. 2011
 - Elected as head of Academic section in engineering student committee. 2011
 - Ranked 1st in engineering faculty among 700 freshmen. 2008
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Work Experience

Agnos Health, Bangkok, Thailand

Chief Executive Officer, Co-founder (July 2019 – Present)

- Build an AI-based health companion application that aims to improve health literacy

Chulalongkorn University Technology Center, Bangkok, Thailand

Head of AI apprentice, (July 2020 – Present)

- Recruit and led a team of 8 apprentices to work on AI for health and AI for industry projects focusing on making real world impact using AI technology

Kasikorn Business Technology Group, Bangkok, Thailand

Innovation Product Manager (Jan 2019 – Aug 2019)

- Led teams of analyst, software developer, and designer in developing innovative products using blockchain and AI as enabling technologies
- Selected as a speaker for TechSauce Global Summit 2019

Visionary Architect (June 2018 – Jan 2019)

- Acted as delivery manager for KPlus provincial electrical authority bill payment service

Arthur D. Little, Bangkok, Thailand

Business analyst (Nov 2017 – Feb 2018)

- Developed business strategy for laser-based AR-enabled devices
- Created business plan for battery energy management system in South East Asia

MedImmune, Gaithersburg, MD, USA

Internship in MIT ChemE practice school program, (Jan – Mar, 2015)

- Modeling and scale-up of mixing systems, needle clogging for biopharmaceutical applications

BP, Naperville, IL, USA

Internship in MIT ChemE practice school program, (Mar – May, 2015)

- Application of Gaussian process regression for process modeling
- Application of model-based fault detection and identification

PTT exploration and production Company, Bangkok, Thailand

Process Engineer in accelerated development program, (July 2012 –June 2013)

- Improved instrument gas and utility gas system for remote wellhead platforms, which can significantly reduce production down time.
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