

Papatchol (Sam) Thientong

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Bangkok, Thailand

SUMMARY

Enthusiastic computer science graduate specialising in speech and natural language processing, with a passion for creating tools that bridge technology and education. Alongside my research in AI-enhanced grammar learning systems, I bring extensive experience in English language teaching and educational leadership. With an MSc in Computer Science with Speech and NLP from the University of Sheffield, I focus on developing innovative solutions that make language learning more effective and accessible through artificial intelligence.

EDUCATION

2024 - 2025	MSc Computer Science with Speech and Natural Language Processing	Sheffield, United Kingdom
	University of Sheffield	
2019 - 2023	BEng Automotive Engineering	Bangkok, Thailand (GPA: 3.01/4.0)
	Chulalongkorn University International School of Engineering	

WORK EXPERIENCE

Chief Operating Officer <i>Interpal English School</i>	Jul 2022 - Jul 2023
	Bangkok, Thailand
– Developed operational framework with performance metrics for all teams	
– Implemented "Hybrid English" learning method utilising four main English skills	
– Created collaborative culture resulting in increased employee engagement	
Part-time English Tutor & Team Leader <i>Monkey Monkey Tutoring School</i>	Aug 2018 - Jul 2022
	Bangkok, Thailand
– Conducted English sessions for diverse class sizes (1-30 students)	
– Led English Part-time division, mentoring junior tutors	
– Served as Master of Ceremonies for "Uplifting" live language learning events	
TOEIC Instructor <i>Valaya Alongkorn Rajabhat University</i>	Apr 2023
	Bangkok, Thailand
– Taught TOEIC preparation course for university students	

SKILLS

Programming Languages	Python (Skilful), Java (Skilful)
Specialisations	Natural Language Processing (Skilful), Speech Processing (Skilful)
Leadership Skills	Teaching (Expert), Team Management (Expert)
Languages	English (C2), Thai (Native)

LANGUAGE CERTIFICATIONS

TOEIC 985/990 (Test of English for International Communication)

IELTS 8.5 Overall (Reading: 9.0, Listening: 9.0, Writing: 8.0, Speaking: 7.5)

AWARDS & LEADERSHIP

Academic Awards	St. Gabriel's Foundation English Test - Ranked #1 (2015), Thailand's National English Test - Ranked #27 (2013)
Leadership Roles	Class President - Automotive Design and Manufacturing Engineering, Chief Financial Officer - Chulalongkorn University Racing Electric Club

PROJECTS

Thaislate: AI-Enhanced Thai-English Grammar Tool

NLP/Research

Dissertation project developing an AI system that helps Thai learners understand English grammar through context-aware explanations. Integrates three specialised models achieving 94.7% tense classification accuracy with 4.33/5 user satisfaction. Built using Python, NLP, LLMs, XLM-RoBERTa, and Typhoon Models.

Traffic Congestion Optimisation System

Java/Anylogic

Developed a traffic light control system simulation for Bangkok intersections using Anylogic. Optimised traffic flow patterns through dynamic timing algorithms and intersection modelling, achieving 27% improvement in traffic flow efficiency.

Water pH Correlation Analysis

Python/Statistics

Investigated correlations between drinking water pH levels and various weather factors using stepwise linear regression analysis. Identified key environmental predictors of water quality variations with $R^2 = 0.36$.