

AUKKAWUT AMMARTAYAKUN

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EDUCATION

Silpakorn University

May 2016 - March 2019

Science Classroom in University-Affiliated School (SCiUS, High school) Nakhon Pathom, Thailand

- Graduating project: *The study of relation of some factors from Wi-Fi signal and security of Wi-Fi using data mining technique*

Worcester Polytechnic Institute

September 2020 - Present

B.S. in Data Science

Worcester, MA

- Graduating project: *Exploring end-to-end sequence to sequence ensemble model for predicting RNA secondary structure*

Worcester Polytechnic Institute

September 2023 - Present

M.S. in Data Science

Worcester, MA

- Graduating project: TBD

PUBLICATIONS

Aswale, A., Lopez, A., Ammartayakun, A. and Pinciroli, C., 2022. Hacking the Colony: On the Disruptive Effect of Misleading Pheromone and How to Defend Against It. In: *21st International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2022)*. IFAAMAS.

TECHNICAL SKILLS

Languages	Python, R, C, C++, MATLAB, LaTeX
Software	Microsoft Office, Oracle Database, Argos
Tools	Microcontrollers, Robotics (Khepera IV, VEX)

WORK EXPERIENCES

Teaching Assistant

September 2022 - December 2022

CS 525/DS 595 Reinforcement Learning

WPI

- This advanced-level graduate class focuses on second-year or higher M.S/Ph.D students. The work includes grading the quizzes and projects in the class. Hosting office hours to answer questions regarding to the course materials and topics in reinforcement learning. This class covers from the Markov decision process to the current trend of research in reinforcement learning like AlphaZero.

NOTABLE CLASS TAKEN

Mathematics	Statistical Learning, Optimization for Deep Learning, Causal Inference
Computer Science	Reinforcement Learning, NLP, DBMS, Big Data Analytics
Business	Prescriptive Analytics
Biology	Computational Neuroscience
Robotics	Swarm Intelligence