

Phakphum *(Pluem)* Artkaew

An enthusiastic software engineer, blend a passion for innovation problem-solving with a zest for intersection of creativity, thrive in for impactful software solutions.

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Education

Brooklyn, NY Expected graduation in May 2025	New York University Tandon School of Engineering M.S. in Computer Engineering (GPA 3.44/4.00)
State College, PA 2019-2023	The Pennsylvania State University, Schreyer Honors College B.S. in Computer Science (GPA 3.43/4.00)
Thesis: Extracting Information from Scientific Figures Using a NLP Technique ↗ Supervisor: Kenneth Huang ↗	

Work Experience

University Park, PA 2021 -2023	Crowd-AI Lab ↗ Research Assistant Innovatively used EasyOCR on scicap dataset for text extraction in figures, devising precise x-y templates from the identified texts. Led a research initiative focused on the identification of logical fallacies across social media discourse.
University Park, PA Summer 2022	Intelligent Vehicles and Systems Group ↗ Research Assistant Led the coordination of the PennDOT-funded initiative focusing on integrating automated vehicles safely into work zones. Carried out the implementation of the road segments parse xodr , streamlining project processes.
Bangkok, Thailand Summer 2021	AGODA ↗ Software Engineer Intern Designed and Developed a Vue.js-based back office tool for content management, enabling generation, viewing, deletion, and cache resetting functions. Constructed and deployed Scala-driven API connections to enable interaction with Couchbase databases.
University Park, PA 2020 - 2021	Mahfuza Farooque Lab ↗ Undergraduate Researcher Engineered text-based machine learning models for the detection of nine specific allergens in diverse food categories. Earned the opportunity to present my findings at the 2021 IEEE North American Virtual International Student Conference.

Skills C/C++, Python, Java, Swift, Scala, Git, Couchbase, Kafka, Vue.js, CSS
Machine Learning, Computing Systems Architectures, Artificial Intelligence, Data Structure and Algorithm, Object Oriented Programing with Web, System Programing, Database Management System, Operating System

Awards & Honors

2023 - 2024	New York University Graduate School of Engineering Scholarship Award
2020	The Pennsylvania State University 1st place, DevPSU Startup 2020 ↗
2019	ACM ICPC ECNA 17th place ↗
2018	13th Thailand Olympiad Informatics Finalist ↗
2018 - Present	Royal Thai Scholarship Recipient