CHANUWAS (NEW) ASWAMENAKUL

Contact: chanuwas.asw@gmail.com | 209-201-5415
Website: https://chasnew.github.io
Github repo: https://github.com/chasnew

RESEARCH INTERESTS

Emergent inequality, Inequality and behavioral implications, How to systematically mitigate inequality, Belief dynamics in relation to social structure, Formal modeling including dynamical system and agent-based models

EXPERIENCE

SIAMETRICS CONSULTING

DATA SCIENTIST / JAN 2018 – JUN 2021

Supervisor: Napat Jatusripitak
responsibilities include building a sales forecasting model for multiple retail stores, analyzing traffic accident data to identify characteristics of streets that associate with accident risk, and creating a simulation model informed by empirical data to estimate the cost of commute time in Bangkok.

THAILAND'S NATIONAL ELECTRONICS AND COMPUTER TECHNOLOGY CENTER

INTERN / APR 2014 – NOV 2014

Supervisor: Marut Buranarach
I worked on a mini-project to improve the responsiveness of a semantic search engine and conducted a study to compare the performance of three different database systems for semantic search technology.

EDUCATION

PH.D. IN COGNITIVE AND INFORMATION SCIENCES, UNIVERSITY OF CALIFORNIA MERCED 2021 – PRESENT (GPA 4.00)

Advisors: Tyler Marghetis and Paul Smaldino
Relevant courses include foundation of cognitive science and advanced topics in ecology and evolutionary biology

M.S. IN COMPUTER SCIENCE, UNIVERSITY OF SOUTHERN CALIFORNIA / 2016 – 2018 (GPA 3.78)

Advisor: Stefan Scherer
Master's project: Multimodal analysis of motivational interviewing to classify client's utterances
Relevant courses include machine learning, applied natural language processing, and affective computing

B.E. IN COMPUTER ENGINEERING, KHON KAEN UNIVERSITY / 2011 – 2015 (GPA 3.85)

Advisor: Kanda Runapongsa Saikaew
Relevant courses include theory of computation, artificial neural network, and human-computer interaction

ADDITIONAL TRAINING

- 2022:   Complex Systems Summer School. Santa Fe Institute, Santa Fe, NM

PAST PUBLICATIONS

- Saikaew, K. R., Chaipah, K., Taweepworadej, W., Feungchan, W., Siangsanan, K., Saibuatong, J., Asawamenakul, C., Chaiudomsom, K., Patjanasoontorn, N., Suphakunpinyo, C., Rongbudsri, S., & Paholpak, S. (2019). Applications to Screen Children with Autism Spectrum Disorder. *2019 23rd International Computer Science and Engineering Conference (ICSEC)*, 70–75. https://doi.org/10.1109/ICSEC47112.2019.8974755
- Aswamenakul, C., Liu, L., Carey, K. B., Woolley, J., Scherer, S., & Borsari, B. (2018). Multimodal Analysis of Client Behavioral Change Coding in Motivational Interviewing. *Proceedings of the 20th ACM International Conference on Multimodal Interaction*, 356–360. https://doi.org/10.1145/3242969.3242990
- Saikaew, K. R., Asawamenakul, C., & Buranarach, M. (2014). Design and evaluation of a NoSQL database for storing and querying RDF data. *4, 41, KKU Engineering Journal*. https://doi.org/10.14456/KKUENJ.2014.38