CHANUWAS (NEW) ASWAMENAKUL

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Website: https://chasnew.github.io
Github repo: https://github.com/chasnew

RESEARCH INTERESTS

Social dynamics that emerge from hierarchical society, Emergence of social inequality and how inequality influences human behaviors, Belief dynamics in society, Computational modeling such as dynamical system and agent-based models

EDUCATION

PH.D. IN COGNITIVE AND INFORMATION SCIENCES, UNIVERSITY OF CALIFORNIA MERCED 2021 - PRESENT

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

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.

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
- Kanda Runapongsa Saikaew, Chanuwas Asawamenakul, & Marut Buranarach. (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