Apivich Hemachandra (Kaotoo)

PhD Student in Computer Science

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This CV was last updated on July 8, 2023. A more updated version may be found on https://apivich-h.github.io/cv/cv.pdf.

Education

2021 - Present, Graduate Studies (PhD), School of Computing
National University of Singapore, Singapore
- Under supervision of See-Kiong Ng and Bryan Low Kian Hsiang
- Research area on deep active learning

2016 - 2020, B.Sc. in Physics (with minors in Computer Science and Mathematics)
Mahidol University International College (MUIC), Thailand
- Cumulative GPA of 3.99 out of 4.00 (First-Class Honours).
- Received Academic Achievement Awards in 2017, 2018 and 2019.

Publications

1. Training-Free Neural Active Learning With Initialization-Robustness Guarantees.
   Apivich Hemachandra, Zhongxiang Dai, Jasraj Singh, Kian Hsiang Low and See-Kiong Ng.
   ICML 2023. Acceptance rate: 27.9%.

Work Experience

August 2020 - June 2021, *Data Analyst*, The Gang Techology Co. Ltd., Thailand
- Work on projects outsourced from PTTEP (a Thai petroleum extraction firm), that involves data analytics and decision making under economic, physical or geographical constraints.

August 2019, *Research Internship*, Vidyasirimedhi Institute of Science and Technology, Thailand
- Worked on project focusing on NLP, which was eventually incorporated into my senior thesis.

Teaching Experience

- Tutor for *CS3264 Foundations of Machine Learning* at School of Computing, National University of Singapore during Semester 2, AY2022-23
- Teaching assistant for *ICCS200 Data Structures and Algorithms* at MUIC during T3 AY2018-19 and T1 AY2019-20.
- Teaching assistant for *ICPY132 Principles of Physics* at MUIC during T1 AY2017-18.

Awards and Competitions

June 2023, Recipient of SoC Teaching Fellowship Scheme
- Awarded to five CS PhD students at SoC with excellent past performances as a tutor.

April 2018, Winner of FameLab Thailand
- A competition hosted by British Council Thailand where competitors gave a three-minute presentation about a scientific topic of their choice to a general audience.
- Also was selected as the representative for Thailand at FameLab International 2018 at Cheltenham Science Fair, United Kingdom.

Skills

Language

Thai (native speaker), English (fluent), and Spanish (elementary).

Standardised Scores

- TOEFL iBT: 114 out of 120 (taken in Jan 2020),
- IELTS: 8.5 out of 9.0 (taken in Jan 2018),
- GRE: 168 Quant, 154 Verbal, 4.5 Writing (taken in Oct 2020).

Personal Interests

Video Making

- RandomMathsInc, at `https://www.youtube.com/c/RandomMathsInc`
- A channel with around 9.7k subscribers (as of March 2023), which present topics in mathematics, physics and computer science often in wacky ways.