

# Nattapat Boonprakong

I am a final-year PhD candidate at the University of Melbourne, expecting to graduate by mid-2025. My research seeks to develop methods to quantify, understand, and mitigate **Cognitive Biases in Human-Computer Interaction**, specifically in the context of online misinformation and social media, with the goal to support critical thinking in people.

**Email:** [nattapatboon@gmail.com](mailto:nattapatboon@gmail.com)

**Website:** <https://nattapatb.github.io>

**Google Scholar:**

<https://scholar.google.com/citations?user=plGYZbcAAAAJ&hl=en>

## EDUCATION

- |                           |   |
|---------------------------|---|
| 2021 – 2025<br>(expected) | <b>Doctor of Engineering and Information Technology (HCI)</b><br>The University of Melbourne, Australia<br><i>Thesis supervisors: <a href="#">Tilman Dingler</a>, Benjamin Tag, Jorge Goncalves</i> |
| 2019 – 2021               | <b>Master of Information Science and Technology</b><br>Osaka University, Japan  |
| 2014 – 2018               | <b>Bachelor of Computer Engineering</b> (1 <sup>st</sup> class honor)<br>Chulalongkorn University, Thailand   |

## PUBLICATIONS

- 1 **Nattapat Boonprakong**, Benjamin Tag, and Tilman Dingler. 2023. *Designing Technologies to Support Critical Thinking in an Age of Misinformation*. IEEE Pervasive Computing.
- 2 **Nattapat Boonprakong**, Xiuge Chen, Catherine Davey, Benjamin Tag, and Tilman Dingler. 2023. *Bias-Aware Systems: Exploring Indicators for the Occurrences of Cognitive Biases when Facing Different Opinions*. In Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems (CHI 2023).  
**(Honorable Mention Best Paper Award 🏆 top 5%).**
- 3 **Nattapat Boonprakong**, Tsukasa Kimura, Ken-ichi Fukui, Kazuya Okada, Masato Ito, Hiroshi Maruyama, and Masayuki Numao. 2020. *Towards Multimodal Office Task Performance Estimation*. In Proceedings of the 2020 IEEE International Conference on Systems, Man, and Cybernetics (IEEE-SMC 2020).
- 4 **Nattapat Boonprakong**, Patcharida Pudpadee, Thanarat H Chalidabhongse, and Proadpran Punyabukkana. 2017. *Reading Mathematical Expression in Thai*. In Proceedings of the 11th International Convention on Rehabilitation Engineering and Assistive Technology (i-CREATE 2017).

## WORKSHOP INITIATIVES

- UbiComp/ISWC'24 **Nattapat Boonprakong**, Kaixin Ji, Ziyi Ye, Benjamin Tag, Damiano Spina, Tuukka Ruotsalo, and Flora D Salim. 2024. *Advancing Physiological Methods for Human-Information Interaction*. In Companion of the 2024 on ACM International Joint Conference on Pervasive and Ubiquitous Computing.  
<https://hii-biosignal.github.io/ubi24/>
- CSCW'23 **Nattapat Boonprakong**, Gaole He, Ujwal Gadiraju, Niels van Berkel, Danding Wang, Si Chen, Jiqun Liu, Benjamin Tag, Jorge Goncalves, and Tilman Dingler. 2023. *Workshop on Understanding and Mitigating Cognitive Biases in Human-AI Collaboration*. In Companion Publication of the 2023 Conference on Computer Supported Cooperative Work and Social Computing.  
<http://critical-media.org/cscw23/>

## SPECIAL RECOGNITION FOR OUTSTANDING REVIEWS

- ISS 2024 ACM Interactive Surfaces and Spaces Conference  
CHI 2024 ACM CHI Conference on Human Factors in Computing Systems

## VOLUNTEER EXPERIANCE

### Peer-Reviewing

Associate Chair: CHI Late-breaking Work (2024)  
External Reviewer: CHI (2025, 2024, 2023), ISS (2024), MUM (2023), HAI (2023), ISWC (2023), MobileHCI (2024, 2023), SMC (2024)

### Conferences and Symposia

Technical Program Chair: CIS Doctoral Colloquium 2024  
Student Volunteer: CHI 2023, VIS 2023

### Student Clubs

Committee Member: CIS Graduate Researcher Society (CIS-GReS) 2022 – 2024

## AWARDS

- September 2024 **Melbourne Plus – People Leadership**  
The University of Melbourne
- October 2023 **Best 3-Minute Research Presentation**  
CIS Doctoral Colloquium, the University of Melbourne

## SCHOLARSHIPS

- 2021 – 2025 **Melbourne Research Scholarship** (The University of Melbourne)
- 2018 – 2021 **Japanese Government Scholarship** (Monbukagakusho; MEXT)

## TEACHING EXPERIENCE

### University of Melbourne

Head Tutor    **COMP90041 Computer Programming and Software Development**  
S1-2 (2024), S2 (2023), S2 (2023) (Tool used: Java)

Tutor        **COMP90018 Mobile Computing Systems Programming**  
S2 (2024)

### Chulalongkorn University

Teaching Assistant    **2110101 Computer Programming** (Tool used: Python)  
S2-S3 (2017)

Teaching Assistant    **2110313 Operating Systems and System Programs** (Tool used: C)  
S1 (2017)

Marker        **2110254 Digital Design Verification** (Tool used: Verilog)  
S2 (2016)

## INDUSTRY EXPERIENCE

2019 – 2021        **Research Assistant (Physiological Data Analysis)**  
SANKEN, Osaka University, Japan

2019  
September        **Software Engineering Intern**  
Crimson Technology, Japan

2018 – 2019        **Data Science Researcher**  
Home DOT Tech, Thailand

2017  
May – July        **Research Intern (Mathematical Science)**  
Nara Institute of Science and Technology, Japan

## TECHNICAL SKILLS

- Quantitative and statistical analysis
- Experimental design
- Physiological signal processing
- Programming languages: Python, Java, C/C++, MATLAB

## ACADEMIC REFERENCES

- Tilman Dingler ([t.dingler@tudelft.nl](mailto:t.dingler@tudelft.nl))
- Benjamin Tag ([benjamin.tag@unsw.edu.au](mailto:benjamin.tag@unsw.edu.au))
- Jorge Goncalves ([jorge.goncalves@unimelb.edu.au](mailto:jorge.goncalves@unimelb.edu.au))
- Proadpran Punyabukkana ([proadpran.p@chula.ac.th](mailto:proadpran.p@chula.ac.th))