

Mintra Ruensuk

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PROFESSIONAL EXPERIENCE

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- Project - Data, Analytics Platform** | Siam Commercial Bank (SCB) Bangkok, Thailand
2021 - present
- Ensure the proper design, performance, and security of analytics platform environments according to guidelines
 - Collaborate with users to maintain a sustainable platform through effective communication
 - Design and implement a machine learning infrastructure for advanced data analysis and predictive modeling
 - Create a centralized feature store by consolidating the transformation logic of commonly used features
 - Gather business and system requirements through end user meetings and interviews
 - Analyze current processes to identify areas for improvement and develop solutions
 - Implement a data governance framework to improve data quality
 - Mentor and coach team members to support their professional development
- Visiting Lecturer** | Thammasat University Pathum Thani, Thailand
Fall 2022
- Visiting Lecturer at Faculty of Engineering, teaching Human-Computer Interaction course
 - Lectured on topics including user research and UX/UI design
 - Led group projects and provided weekly feedback to students
 - Contributed to the development and delivery of course materials and assessments
 - Mentored and supported students in their academic and professional development
- Software Engineering Consultant** | Perception Codes Bangkok, Thailand
2020 - 2021
- Led software engineering team using agile methodologies
 - Provided mentorship and specialist advice to software engineers
 - Participated in strategic planning and vision discussions for the company
 - Managed day-to-day operations of the software engineering team
- PhD Researcher** | UNIST Ulsan, Republic of Korea
2017 - 2021
- Analyzed data from over 30 million samples using Pandas and Seaborn
 - Created predictive models with Scikit-learn to accurately predict emotions of social media users
 - Designed and developed iOS and Android apps for collecting smartphone sensor data (e.g., acceleration, touch)
 - Presented research findings through academic papers and presentations
- IT Lecturer / Acting Head of Department** | Stamford International University Bangkok, Thailand
2015 - 2017
- Developed curriculum and study plans, and supervised students during course registration
 - Created course syllabus and materials, including lectures, homework, and exams
 - Guided undergraduate students in final projects, including mobile games, shopping websites, and iOS apps
 - Mentored students in the Atos International IT Challenge, with 5 teams shortlisted globally
- Senior Software Engineer** | Think Blue Data Nonthaburi, Thailand
2012 - 2015
- Created web applications with Ruby on Rails to generate visualizations
 - Analyzed, designed, and developed tests and test-automation suites
 - Improved team work flow through the development of innovative solutions, such as libraries and testing tools
 - Maintained and enhanced existing codebases, and supervised junior software engineers
- MSc Researcher** | Asian Institute of Science and Technology Pathum Thani, Thailand
2010 - 2012
- Created a system that enabled users to control a robot through voice, gesture, or web interfaces
 - Conducted field experiments to test the system in service environments
 - Participated in an academic lab environment following agile methodology
- Lecturer** | Mahanakorn University of Technology Bangkok, Thailand
2009 - 2010
- Developed course materials and taught basic programming, as well as co-teaching various technical classes
 - Guided undergraduate students in senior projects

EDUCATION

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- Ulsan National Institute of Science and Technology (UNIST)** Ulsan, Republic of Korea
August 2021
Ph.D. in Creative Design Engineering (Human-Computer Interaction)
- Asian Institute of Technology (AIT)** Pathum Thani, Thailand
June 2012
M.Sc. in Computer Science (with specialization in Software Engineering)
- Mahanakorn University of Technology (MUT)** Bangkok, Thailand
March 2009
B.Sc. with First Class Honors in Information Technology

TECHNICAL CAPABILITIES

- Proficient in programming languages such as Python (with expertise in PySpark, Pandas, and Scikit-learn), Java, Swift, PHP, Ruby, JavaScript, HTML5, and CSS
- Skilled in machine learning techniques including classification, regression, and feature engineering
- Experienced with tools such as Databricks and MLflow
- Proficient in databases such as SQL, MySQL, PostgreSQL, Mongo, and Firebase
- Experienced with web and mobile technologies including Android, Laravel, Ruby on Rails, Bootstrap, jQuery, Selenium, Wordpress, CLI, and Git
- Strong research skills, including experience with machine learning, qualitative and quantitative research, experimental design, data analysis, and UX design

PUBLICATIONS

1 in international journal (Rank A* in HCI), 8 in international conferences (2 in Rank A* in HCI)

SELECTED PUBLICATIONS

[1] **Mintra Ruensuk**, Taewan Kim, Hwajung Hong, and Ian Oakley. 2022. Sad or just jealous? Using Experience Sampling to Understand and Detect Negative Affective Experiences on Instagram. In *Proceedings of the 2022 CHI Conference on Human Factors in Computing Systems (CHI '22)*. Association for Computing Machinery, New York, NY, USA, Article 147, 1–18. <https://doi.org/10.1145/3491102.3517561>

[2] **Mintra Ruensuk**, Eunyong Cheon, Hwajung Hong, and Ian Oakley. 2020. How Do You Feel Online: Exploiting Smartphone Sensors to Detect Transitory Emotions during Social Media Use. *Proc. ACM Interact. Mob. Wearable Ubiquitous Technol. (IMWUT, Ubicomp '21)* 4, 4, Article 150 (December 2020), 32 pages. DOI:<https://doi.org/10.1145/3432223>

[3] **Mintra Ruensuk**, Jayeong Yoon, and Choeun Park. 2019. Amor: Supporting Emerging Adult Couples to Manage Finances for a Common Goal. In *Extended Abstracts of the 2019 CHI Conference on Human Factors in Computing Systems (CHI EA '19)*. DOI: <https://doi.org/10.1145/3290607.3309688> [13% acceptance]