

# Mintra Ruensuk

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## PROFESSIONAL EXPERIENCE

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- Data, Analytics Platform** | Siam Commercial Bank Bangkok, Thailand  
2021 - present
- Research and propose architecture design to implement/enhance machine learning infrastructure
  - Consolidate transformation logic of commonly used features and set up a centralized feature store
  - Develop credit scoring model training/deployment/monitoring pipelines and work with data scientists to come up with high quality production-grade model deployment scripts
  - Apply a data governance framework with a focus on continued improvement of data quality
- PhD Researcher** | UNIST Ulsan, Republic of Korea  
2017 - 2021
- Performed analysis on data of more than 30 million samples using Pandas and Seaborn
  - Built predictive models using Scikit-learn to predict emotions of social media users with over 90% accuracy
  - Designed and developed iOS and Android apps to collect smartphone sensor data (e.g., acceleration, touch)
  - Communicated research findings through academic papers and presentations
- IT Lecturer / Acting Head of Department** | Stamford International University Bangkok, Thailand  
2015 - 2017
- Designed curriculum and study plans, and supervised students for course registration
  - Designed course syllabus, prepared course materials including lectures, homework, and exams
  - Supervised undergraduate students in final projects (e.g., mobile games, shopping websites, iOS apps)
  - Supervised students for the Atos International IT Challenge (5 shortlisted teams globally)
- Senior Software Engineer** | Think Blue Data Nonthaburi, Thailand  
2012 - 2015
- Developed web applications using Ruby on Rails for generating visualizations
  - Analyzed, designed and developed tests and test-automation suites
  - Innovated solutions to improve team's work flow (e.g., libraries, testing methodology tools)
  - Maintained and improved existing codebases, and supervised junior software engineers
- MSc Researcher** | Asian Institute of Science and Technology Pathum Thani, Thailand  
2010 - 2012
- Developed a system that allowed users to control a robot using voice, gesture, or web interfaces
  - Designed and executed field experiments to test the system in service environments
  - Participated in an academic lab environment using agile methodology
- Lecturer** | Mahanakorn University of Technology Bangkok, Thailand  
2009 - 2010
- Prepared course material and taught basic programming class and co-teaching various technical classes
  - Supervised undergraduate students in senior projects

## TECHNICAL CAPABILITIES

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- Programming language: Python (Pandas, Scikit-learn, PySpark), Java, Swift, PHP, Ruby, JavaScript, HTML5, CSS
  - Machine Learning: Classification, Regression, Feature Engineering
  - Database: SQL, MySQL, PostgreSQL, Mongo, Firebase
  - Data Visualization: Seaborn, D3
  - Web/Mobile Stack: Android, Laravel, Ruby on Rails, Bootstrap, jQuery, Selenium, Wordpress, CLI, Git
  - Research: Machine Learning, Qualitative & Quantitative Research, Experimental Design, Data Analysis, UX Design

## EDUCATION

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

## PUBLICATIONS

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