

PERSONAL DATA



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EDUCATION

Ph.D. Degree	Ph.D. (Knowledge and Innovation Management (International Program)) Chiang Mai University
Master Degree	M.Sc.(Computer Science), Prince of Songkla University
Bachelor Degree	B.Sc.(Computer Science), Prince of Songkla University

APPOINTMENT

TEACHING

Software and Computer Programming
Programming and Data Structure
Object-Oriented Programming
Object-Oriented Analysis and Design
System Analysis and Design
Component-Based Software Development
Web Programming
Workshop in Information Technology III (Developing Windows Application with .NET Technology C#.Net)
Workshop in Information Technology III (Java Web Application Development)
Special Topics in Software Engineering (iOS Application Development)
Design Thinking and UI/UX

INTERNATIONAL JOURNAL ARTICLES

Duangjan, C., Hiranrat, C. & Chumkaew, S. (2025). *Entrepreneurial Competencies for the Success of MSME Entrepreneurs in Thailand*. *TEM Journal*, 14(2), 1742-1754.

https://www.temjournal.com/content/142/TEMJournalMay2025_1742_1754.pdf

5/2025 Technology, Management

Hiranrat, C., Harncharnchai, A., & Duangjan, C. (2023). Students' Communication Self-efficacy and Its Impact on the Enhancement of Communication Skills in Software Engineering Project Courses. *TEM Journal*, 12(3), 1687.

https://www.temjournal.com/content/123/TEMJournalAugust2023_1687_1696.pdf

8/2023 IT education, Software Engineering

Hiranrat, C., Harncharnchai, A., & Duangjan, C. (2021). Theory of planned behavior and the influence of communication self-efficacy on intention to pursue a software development career. *Journal of Information Systems Education*, 32(1), 40-52.

<https://jise.org/Volume32/n1/JISEv32n1p40.html>

1/2021 Software Engineering

INTERNATIONAL PROCEEDINGS

Hiranrat, C., & Harncharnchai, A. (2018, July). Using text mining to discover skills demanded in software development jobs in Thailand. In *Proceedings of the 2nd international conference on education and multimedia technology* (pp. 112-116).

https://dl.acm.org/doi/pdf/10.1145/3206129.3239426?casa_token=ipsj7k0njK4AAAAA:zBdiMLZoCGraZY24M20AE4Mv2BT87j8YnDOI257iaGPK2-5DsJayso4PyqlfYB93-vCxnwuq_oqK_VU

7/2018 Text mining, Text analysis

NATIONAL PROCEEDINGS

Hiranrat, C., Buanuan, T., Kantangkul, P., and Issarathummakul, P., "Coastal Erosion Monitoring System," in *The 12th National Conference on Computing and Information Technology (NCCIT 2016)*, Khon Khan, July 2016.

7/2016 Mobile Application

Hiranrat, C. "The implementation of Project-Based Learning in Object-Oriented Programming Course (Poster)," in *The 5th PSU Education Conference Instruction Design for Autonomous Learner*, Songkla, December 2016.

12/2016 Education

Hiranrat, C. and Pohthong, A., "The Adoption of Mobile Agents for Electronic Auction: Case Study of Electronic Auction at Rubber Brokering Service of Thailand," in *The 3rd National Conference on Computing and Information Technology (NCCIT 2007)*, Bangkok, May 2007.

4/2007 INFORMATION TECHNOLOGY

TRAINING

Certificates:

- Google [Conduct UX Research and Test Early Concepts](#) (January 2024)
- Google [Build Wireframes and Low-Fidelity Prototypes](#) (November 2023)
- Google [Start the UX Design Process: Empathize, Define, and Ideate](#) (October 2023)
- Google [Foundations of User Experience \(UX\) Design](#) (August 2023)
- Google [Foundations of Digital Marketing and E-commerce](#) (April 2023)
- Oracle University **Oracle Certified Associate, Java SE 8 Programmer** (October 2015)
- University of Southampton, Centre for Language Study, **English for Academic Study Course** (30 January - 1 June 2012)

Trainings:

June 5-9, 2017 **Core iOS Programming with Swift**, Code Mobile Co. Ltd., Bangkok
July 28-29, 2016 **Spring (Java Web Framework)**, Software Park (Thailand), Bangkok

OTHERS

Administrative Positions, Faculty of Technology and Environment

Prince of Songkla University, Phuket Campus, Phuket, Thailand

January 2015 – July 2017 Program Manager of Software Engineering Program

November 2013 – July 2014 Deputy Dean of Academic Affairs

September 2012 – March 2013 Head of Information and Communication Technology Department

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COLLEGE OF COMPUTING

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