

Jing (Roy) Yang

✉ roy.j.yang@qut.edu.au • 🌐 royjy.me • in [roy-jingyang](https://www.linkedin.com/in/roy-jingyang)

Education

Queensland University of Technology <i>Ph.D. Candidate</i>	Brisbane <i>2019–Present</i>
Sun Yat-sen University <i>M.E. in Computer Science and Technology</i>	Guangzhou <i>2016–2019</i>
Sun Yat-sen University <i>B.E. in Software Engineering</i>	Guangzhou <i>2012–2016</i>

Doctoral thesis

Title: *Discover Organizational Knowledge via Process Mining*

Supervisors: Dr. Chun Ouyang, Prof. Arthur H.M. ter Hofstede, Prof.dr.ir. Wil M.P. van der Aalst

Description: This research explores how to use process mining to discover, evaluate, and analyze human resource groups based on business process execution data, thus supporting informed decisions in business process management and workforce analytics.

Experience

Academic	
Queensland University of Technology <i>Academic Tutor</i>	Brisbane <i>2020–Present</i>
Sun Yat-sen University <i>Teaching Assistant</i>	Guangzhou <i>2015, 2017, 2018</i>
Industry	
Food Agility – Predicting Green Bean Harvest and Yield <i>Research Student, Software Developer</i>	Brisbane <i>2020–Present</i>
Dnata Catering Australia <i>Workforce Planning Analyst</i>	Brisbane <i>2021</i>

Awards

Research Scholarship <i>Australian Commonwealth Research Training Program</i>	<i>2019–2022</i>
Top-Up Scholarship <i>Food Agility CRC Top-Up Scholarship</i>	<i>2021–2022</i>

Research Scholarship

AMSI Winter School 2021 Scholarship 2021

Internship Scholarship

QUT HDR Internship Scholarship 2021

Excellent Student Award

Sun Yat-sen University Excellent Master Student Award 2018

Meritorious Winner

Mathematical Contest in Modelling (COMAP) 2015

Publications

- [1] W. Chen, J. Yang, and Y. Yu. Analysis on communication cost and team performance in team formation problem. In *Proceedings of the 13th EAI International Conference on Collaborative Computing: Networking, Applications and Worksharing (CollaborateCom 2017)*, pages 435–443. Springer, Dec 2017.
- [2] J. Yang, C. Ouyang, G. Dik, P. Corry, and A. H. M. ter Hofstede. Crop harvest forecast via agronomy-informed process modelling and predictive monitoring. In X. Franch, G. Poels, F. Gailly, and M. Snoeck, editors, *Advanced Information Systems Engineering*, pages 201–217, Cham, Jun 2022. Springer.
- [3] J. Yang, C. Ouyang, M. Pan, Y. Yu, and A. ter Hofstede. Finding the “liberos”: Discover organizational models with overlaps. In *Proceedings of the 16th International Conference on Business Process Management (BPM 2018)*, pages 339–355. Springer, Sep 2018.
- [4] J. Yang, C. Ouyang, A. H. M. ter Hofstede, and W. M. P. van der Aalst. No time to dice: Learning execution contexts from event logs for resource-oriented process mining. In *Proceedings of the 20th International Conference on Business Process Management (BPM 2022)*, page in press. Springer, Sep 2022.
- [5] J. Yang, C. Ouyang, A. H. M. ter Hofstede, W. M. P. van der Aalst, and M. Leyer. Seeing the forest for the trees: Group-oriented workforce analytics. In *Proceedings of the 19th International Conference on Business Process Management (BPM 2021)*, pages 345–362. Springer, Sep 2021.
- [6] J. Yang, C. Ouyang, W. M. P. van der Aalst, A. H. M. ter Hofstede, and Y. Yu. OrdinoR: A framework for discovering, evaluating, and analyzing organizational models using event logs. *Decision Support Systems*, 158:113771, Jul 2022.
- [7] Y. Yu, W. Chen, and J. Yang. Team formation in business process context. In *Proceedings of the IEEE 21st International Conference on Computer Supported Cooperative Work in Design (CSCWD 2017)*, pages 73–78. IEEE, Apr 2017.