

Jing (Roy) Yang

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Education

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

Doctoral thesis

Title: *Discovering Organizational Models from Event Logs for Workforce Analytics*

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

Description: This thesis examines novel approaches that discover organizational models from process execution data in the form of event logs and utilize these models to support group-oriented workforce analytics.

Experience

Academic

Queensland University of Technology <i>Academic Tutor</i>	Brisbane 2020–Present
Sun Yat-sen University <i>Teaching Assistant</i>	Guangzhou 2015, 2017, 2018

Industry

Food Agility – Predicting Green Bean Harvest and Yield <i>Research Student, Software Developer</i>	Brisbane 2020–Present
Dnata Catering Australia <i>Workforce Planning Analyst</i>	Brisbane 2021

Awards

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

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] 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)*, pp. 73–78, IEEE, Apr 2017.
- [2] 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)*, pp. 435–443, Springer, Dec 2017.
- [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)*, pp. 339–355, Springer, Sep 2018.
- [4] 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)*, pp. 345–362, Springer, Sep 2021.
- [5] 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*, vol. 158, p. 113771, Jul 2022.
- [6] 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 *Advanced Information Systems Engineering (X. Franch, G. Poels, F. Gailly, and M. Snoeck, eds.)*, (Cham), pp. 201–217, Springer, Jun 2022.
- [7] 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)*, p. in press, Springer, Sep 2022.