Jing (Roy) Yang

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Education

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

Doctoral thesis

Title: *Discover Organizational Knowledge via Process Mining*

Supervisors: Dr. Chun Ouyang, Prof. Arthur ter Hofstede, Prof. Wil 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	**Brisbane**
Academic Tutor	*2020–Present*
Sun Yat-sen University	**Guangzhou**
Teaching Assistant	*2015, 2017, 2018*

Industry

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

Awards

Research Scholarship	
Australian Commonwealth Research Training Program	*2019-2022*
Top-Up Scholarship	
Food Agility CRC Top-Up Scholarship	*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] Yang Yu, Weijun Chen, and Jing 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, 2017.

[2] Weijun Chen, Jing Yang, and Yang 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, 2017.

[3] Jing Yang, Chun Ouyang, Maolin Pan, Yang Yu, and Arthur 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, 2018.

[4] Jing Yang, Chun Ouyang, Arthur H. M. ter Hofstede, Wil M. P. van der Aalst, and Michael 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, 2021.

[5] Jing Yang, Chun Ouyang, Wil M. P. van der Aalst, Arthur H. M. ter Hofstede, and Yang Yu. OrdinoR: A framework for discovering, evaluating, and analyzing organizational models using event logs. *Decision Support Systems*, 158:113771, 2022.

[6] Jing Yang, Chun Ouyang, Guvenc Dik, Paul Corry, and Arthur H. M. ter Hofstede. Crop harvest forecast via agronomy-informed process modelling and predictive monitoring. In *Proceedings of the 34th International Conference on Advanced Information Systems Engineering (CAiSE '22)*, page in press, Cham, 2022. Springer International Publishing.

Last updated on 2022-05-17