Po-Kai Wang
Lance

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Education

2019 - 2021 **Master of Computer Science with Data Science Specialization**
Carleton University, Ottawa, ON, Canada

2014 - 2018 **Information Management - GPA 3.89 / 4.0**
Aletheia University, New-Taipei City, Taiwan

Publication

2018 - 2019 **Interactive Genetic Algorithm Joining Recommender System**
Accepted & published by 11th Asian Conference on Intelligent Information and Database Systems.

2017 - 2018 **An Implementation of Exhibition Support System Based on Scenario Analysis Method** *(Trans. From Mandarin)*
Accepted & published by 14th International Conference on Innovation, Management and Knowledge Community.

2016 - 2017 **A New Hybrid Recommended Architecture of Using Interactive Genetic Algorithm** *(Trans. From Mandarin)*
Accepted & published by 28th International Conference on Information Management.

Work Experience

2021.01 - Now **Teaching Assistant** - *Carleton Uni. (Canada)*
- TAship for course Object-Oriented Software Engineering.
- Mainly responsible for assignments and projects assessment as well as offering office hours for question answering.
- Skills of Java, cucumber, JUnit and MIS are required.

2020.09 - 2020.12 **Teaching Assistant** - *Carleton Uni. (Canada)*
- TAship for course Software Quality Assurance.
- Mainly responsible for assignments and projects assessment as well as offering office hours for question answering.
- Skills of Java, cucumber, JUnit and MIS are required.

2018.11 - 2020.04 **Internet Engineer** - *Concord Information Tech. (Hong Kong)*
- Responsible for system and feature design and implementation.
- Contact / discuss with clients all around the world. (e.g. APRU)

2016.07 - 2016.08 **Internship of Website Engineer** - *Soohoobook Co. (Taiwan)*
- Responsible for feature design and development.
- Developed the skill of balancing the requirements of customers and the feasibilities of reality; as well as logical thinking.

Projects

2020.09 - 2020.12 **PGA for GitHub Projects Recommendation**
- This project utilizes Parallel Genetic Algorithm (PGA) to recommend GitHub projects for users by analyzing interests expertise and social connections. Meanwhile, reducing operation time to increase performance.

2020.01 - 2020.04 **Slow down the 23 seconds death clock**
- Aimming to discover the correlation between human, environment and vehicle factors among collisions in order to build predictive models by using Pearson Correlation Analysis, Decision Tree, Naive Bayes and KNN approach.

	2019.01	**cuHacking 2020 - RBC Challenges: Tweets Analysis**
	(24 hr Coding Event)	- Analyzing textual content of Tweets. In fact, we use some of the following trending techniques used not only in academia but in industry such as Sentiment Analysis and TF-IDF.
		- Responsible for Tweets collecting, data pre-processing, analysis, store, visualizing and front-end constructing.
	2019.09 - 2019.12	**GitHub Issue Recommendation System**
		- Researching and proposing a prototype of GitHub issue recommendation system based on users' previous programming behaviour.
		- Through this project, getting familiar with GitHub ecosystem and study not only programming culture but social networking background of GitHub.
	2017.07 - 2018.01	**Drammend - a Film Recommendation System**
		- This system aims to resolve information overload and user fatigue problems in the film field by using the new recommendation framework.
		- Responsible for the design and development of system functions, procedures, and result estimation.
		- This framework has been proved to effectively aid users to find their preferable films in less time, and it has been accepted and published by an international conference.

Specialities and Skills	Data Science	Machine Learning Data Mining (preprocessing, clean, manipulation) Data Visualization Mining Software Repositories Data Analysis (Statistical Analysis) Python, R PyCharm, RStudio MongoDB
	Evolutionarily Computing Theories	Genetic Algorithm Parallel Genetic Algorithm Interactive Genetic Algorithm
	Recommendation Models	Content-based Recommendations Collaborative Filtering Recommendations Hybrid Recommendations
	Technology Fit Models	Technology Acceptance Model Task-Technology Fit
	Web Development	PHP, HTML, ASP CSS, Bootstrap JavaScript, jQiery MySQL, MSSQL
References	Olga Baysal	**olga.baysal@carleton.ca**
	Chao-Fu Hong	**au4076@au.edu.tw**