

# LIN, YIDA (Benny)

No. 1, Sec. 4, Roosevelt Rd., Taipei 10617, Taiwan  
National Taiwan University  
Mail-Address: P.O.Box 23-61, Taipei, 106923

E-mail: r10546039@ntu.edu.tw  
Kaggle: <https://www.kaggle.com/yidalin>  
Github: <https://github.com/BennyLinntu>

## EDUCATION

---

<b>Victoria University Wellington(VUW)</b> Ph.D in Computer Science; Artificial Intelligence	Wellington, New Zealand [Nov.2023 - ]
<b>National Taiwan University (NTU)</b> M.Sc. in Industrial Engineering; GPA: 3.54/4.3	Taipei, Taiwan [Aug.2023]
<b>National Taiwan University of Science and Technology (NTUST)</b> B.B.A in Industrial Management; GPA: 3.83/4.3	Taipei, Taiwan [Jun.2021]

## RESEARCH INTERESTS

---

**[Data Processing]:** *Benny* is keen on processing industrial data, such as the conversion of some data, the re-generation of data, and the removal of some biased data. Then *Benny* will use C# to write algorithms to solve problems, such as Genetic Algorithm, Ant Colony Optimization.

**[Artificial Intelligence]:** *Benny* has designed a general back-propagation MLP through C# that allows different transfer functions, different numbers of layers, and neuron implementations. *Benny* plans to use the neural network method more to solve scheduling problems. And *Benny* is also interested in CV and NLP problems through Python.

**[Soft Computing]:** *Benny* uses C# to make Tsukamoto Fuzzy System, Mamdani fuzzy reference system, and Sugeno fuzzy reference system under the .NET environment. Implement various unary and binary operators through object-oriented programming technology, such as standard inverse, tangent, reinforcement, weakening, hardening, softening, ratio, intersection, union, and other operators, as well as various T-norm and S-norm operators customized by standards and scholars.

## AWARD CERTIFICATES

---

<b>Zhejiang Provincial Government Scholarship</b>	2016
<b>Certificate of BIM Skill Proficiency Test Level II</b>	2017
<b>Presidential Award of the National Taiwan University of Science and Technology</b>	2019 - 2021
<b>Bronze medal of OTTO – Multi-Objective Recommender System</b>	2023

## RANKING OF SELECTED COMPETITIONS

---

<b>OTTO – Multi-Objective Recommender System</b> The goal of this competition is to predict e-commerce clicks, cart additions, and orders. I need to build a multi-objective recommender system based on previous events in a user session.	253/2587
<b>Playground Series - Season 3, Episode 5</b> This dataset is related to red variants of the Portuguese "Vinho Verde" wine. My task is to predict the quality of wine using the given data.	132/901
<b>Shopee - Price Match Guarantee</b> In Shopee's case, everyday users can upload images and write product descriptions. My task is to identify if the two products are the same by their pictures.	597/2426
<b>Bristol-Myers Squibb – Molecular Translation</b> In this competition, I am provided with images of chemicals to predict the corresponding International Chemical Identifier (InChI) text string of the picture.	270/874
<b>Hungry Geese</b> I must create an AI agent to play against others and survive the longest, and I must make sure my goose doesn't starve or run into other geese.	519/875

## CONFERENCE

---

*Chu, Fachen, Lin, Yida, Feng-Cheng Yang*, "Storage/Retrieval Routing Problem of the ASRS and Its Heuristic Optimization Methods", *The 18th Annual meeting of the Operations Research Society of Taiwan*, Hsinchu. (2022/12/09)

## TECHNICAL SKILLS

---

**Programming:** C#, Python, R, C, C++, L<sup>A</sup>T<sub>E</sub>X, **development software:** CA Lab Neural System, Binary GA for Assignment Problem, Simulated Annealing Optimization, Fuzzy Set Operation System, Ant Food Searing Simulation System, Discrete Event Simulation System, Job Shop Solver System.