Dillon Ze Chen

September, 2024

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Education

Ph.D. LAAS-CNRS, Université de Toulouse `Oct 2023 - present`
- Advisor: Sylvie Thiébaux
- Group: Robotics InteractionS
- Expected completion: Oct 2026

B.Sc. Australian National University `Feb 2019 - Jun 2023`
- Awarded the *University Medal* and *Hanna Neumann Prize for Mathematics*
- Majors: Computer Science and Mathematics
- GPA: 7.0/7.0

Conference Publications

[1] <u>Dillon Z. Chen</u> and Sylvie Thiébaux. Learning Heuristics for Numeric Planning. In *NeurIPS*, 2024.

[2] <u>Dillon Z. Chen</u> and Sylvie Thiébaux. Novelty Heuristics, Multi-Queue Search, and Portfolios for Numeric Planning. In *SoCS*, 2024.

[3] <u>Dillon Z. Chen</u>, Felipe Trevizan, and Sylvie Thiébaux. Return to Tradition: Learning Reliable Heuristics with Classical Machine Learning. In *ICAPS*, 2024.

[4] <u>Dillon Z. Chen</u>, Sylvie Thiébaux, and Felipe Trevizan. Learning Domain-Independent Heuristics for Grounded and Lifted Planning. In *AAAI*, 2024.

[5] Qing Wang, <u>Dillon Z. Chen</u>, Asiri Wijesinghe, Shouheng Li, and Muhammad Farhan. $\mathcal{N}$-WL: A new hierarchy of expressivity for graph neural networks. In *ICLR*, 2023.

[6] <u>Dillon Z. Chen</u>, Felipe Trevizan, and Sylvie Thiébaux. Heuristic Search for Multi-Objective Probabilistic Planning. In *AAAI*, 2023.

[7] <u>Dillon Z. Chen</u> and Pascal Bercher. The Complexity of Flexible FOND HTN Planning. In *ICAPS*, 2022.

[8] <u>Dillon Z. Chen</u> and Pascal Bercher. Fully Observable Nondeterministic HTN Planning – Formalisation and Complexity Results. In *ICAPS*, 2021.

Awards and Grants

ANU Startup Scheme (NCI)	2024
AAAI-24 Student Scholarship Program (AAAI)	2024
Doctoral Fellowship (EDMITT)	2023 – 2026
ANU Startup Scheme (NCI)	2023
University Medal (ANU)	2023
IJCAI-23 Travel Grant (IJCAI)	2023
AAAI-23 Student Scholarship Program (AAAI)	2023
ICAPS-22 Best Undergraduate Student Paper Award (ICAPS)	2022
ICAPS-21 Best Undergraduate Student Paper Award (ICAPS)	2021
Hanna Neumann Prize for Third Year Mathematics (ANU MSI)	2021
National University Scholarship (ANU)	2019 – 2023

Invited Talks and Visits

Aachen RLeap Symposium	Sep 2024
RWTH Aachen University (Chair of Machine Learning and Reasoning)	May 2024
Czech Technical University in Prague (Intelligent Data Analysis Lab)	Apr 2024
Australian National University (AI, ML and Friends)	Feb 2024

Reviewing

I have reviewed for the following conferences and workshops, listed in alphabetical order.

Conferences

AAAI	2024, 2025
ICAPS	2024
IJCAI	2024
KR	2024
NeurIPS	2024

Workshops

GenPlan@NeurIPS	2023
HPlan@ICAPS	2021
PRL@ICAPS	2024
WoSePCO@IJCAI	2023

Teaching

COMP4691: Optimisation (senior tutor)	2023
COMP4691: Optimisation (tutor)	2022
COMP4670: Statistical Machine Learning (senior tutor)	2023
COMP4670: Statistical Machine Learning (tutor)	2022
COMP3620: Artificial Intelligence (tutor)	2022

Languages

- *Fluent*: English, Cantonese
- *Basic*: Mandarin, Japanese, French
- *Programming*: C/C++, Python, Java