



# Jia Lin Hau

Reinforcement Learning Researcher,  
Data Analyst, Programmer, Actuarial

## About Me

I am currently a Ph.D. candidate in Computer Science at University of New Hampshire. I am highly interested in Reinforcement Learning, Actuarial Science, Deep Learning, A.I, Machine Learning and Risk Analysis.

## Expertise Skill

- Program: Excel, Tableau, Python, R, MATLAB, Julia, JMP, BMC, C, C++, SQL
- Multilingual: English, Mandarin, Cantonese, and Malay.

## Achievement

### Certification:

- 2018 Actuarial Science Exam P: Probability
- 2018 Bloomberg Market Concepts (BMC)

### Competition:

- UNH 2017 Fall stock pitch (Semi-Final)
- UNH 2019 Holloway prize (Semi-Final)

### Extracurricular Activity:

- 2016 Manchester City Marathon (1st Coed)
- 2015 Seacoast Half Marathon (4th U20M)
- 2013 PADI Advance Open Water Diver
- 2019 NAUI Open Water Scuba Diver

## Education

- 2019-Present  
University of New Hampshire (UNH)  
M.S. / Ph.D. In Computer Science
  - GPA: 4.00/4.00
  - Member of RL-square Lab
  - Advisor: Marek Petrik
- 2015-2018  
University of New Hampshire (UNH)  
B.S. In Applied Mathematics: Economics
  - GPA 3.89/4.00
  - Member of Pi Mu Epsilon Society

## Publication

- RASR: Risk-Averse Soft-Robust MDPs with EVaR and Entropic Risk.  
Jia Lin Hau, Marek Petrik, Mohammad Ghavamzadeh, Reazul Russel, Arxiv 2022
- Robust pest management using Reinforcement Learning.  
Talha Siddique, Jia Lin Hau, Shadi Atallah, Marek Petrik, RLDM 2019 Poster

## Teaching / Leadership

- Teaching Assistant (UNH) 2019 - 2020
  - CS 520 - Assembly language programming and machine organization
  - CS410P and CS 410C - Introduction to scientific programming in Python and C
  - CS 725 - Computer Networks
- Teaching Assistant (Idea Math) 2018 - 2019
- Tutor (UNH Math Center) 2017 - 2018
- Vice President 2017 - 2018  
(UNH International Student Organization)
- Resident Assistant (UNH) 2016 - 2017

## Contact Me

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 [linkedin.com/in/jia-lin-hau-b61730129/](https://www.linkedin.com/in/jia-lin-hau-b61730129/)

 [gitlab.com/MonkieDein](https://gitlab.com/MonkieDein)  
[github.com/MonkieDein](https://github.com/MonkieDein)