**Jia Lin Hau**

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| **Education** | University of New Hampshire | Advisor: Marek Petrik | 2019 - present |
|  | M.S / Ph.D in Computer Science |  | GPA: 4.00/4.00 |
|  | **Relevant Coursework:** Reinforcement Learning, Advance Machine Learning, Mathematical Optimization, Algorithms, Computer Graphics,Assembly Language, System Programming, Formal Specification, Database System. | | |
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|  | University of New Hampshire | Advisor: Linyuan Li | 2015 - 2018 |
|  | B.S. in Applied Mathematics: Economics. | | GPA: 3.89/4.00 |
|  | **Relevant Coursework:** Machine Learning, Forecasting Analysis, Numerical Methods, Multi-Dimensional Calculus, Econometrics, Probability Theory, Statistical Inference, Financial Mathematics. | | |
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| **Experience** | UNH Computer Science Department | |  |
| ***Research Assistant*** - [Reinforcement Learning and Robustness Lab](http://rl2.cs.unh.edu/lab/) | | 2020 - present |
|  | ***Teaching Assistant*** | | 2019 - 2020 |
|  | Assembly Language and Machine Organization (CS 520), Scientific Programming in Python and C (CS 410P & CS 410C), Computer networks (CS 725) | | |
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| **Research Paper** | ***Entropic Risk Optimization in Discounted MDPs*.** **Jia Lin Hau**, Marek Petrik, Mohammad Ghavamzadeh | | AISTATS 2023 |
|  | [***RASR: Risk-Averse Soft-Robust MDPs with EVaR and Entropic Risk***](https://arxiv.org/abs/2209.04067)**.** **Jia Lin Hau**, Marek Petrik, Mohammad Ghavamzadeh, Reazul Russel | | ArXiv 2022 |
|  | [***Robust pest management using reinforcement learning***](https://df660d53-db22-4dff-8899-56fa7ce1f7a8.filesusr.com/ugd/729039_08045e06d83f42ec8d5c2841dc362312.pdf)**.** Talha Siddique, **Jia Lin Hau**, Shadi Atallah, Marek Petrik | | RLDM 2019 |
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| **Other Involvement** | Passed **Actuarial Science** Exam P: Probability | | 2018 |
| *Bloomberg Market Concepts* (**BMC**) Completion | | 2018 |
| Member of *Pi Mu Epsilon* of National Honorary **Mathematics** Society | | 2017 - 2018 |
|  | [***EMOAI -*** *UNH 2019 Holloway prize competition (Semi-final)*](https://www.youtube.com/watch?v=CrPHfAZ59tE)***.*** Shayan Amani, **Jia Lin Hau**, Chao Chi Cheng, Lekyang Sai. Deep Learning facial recognition to avoid depression. | | Apr 2019 |
|  | [***WTI -*** *UNH 2017 Fall stock pitch competition (Semi-final)*](https://df660d53-db22-4dff-8899-56fa7ce1f7a8.filesusr.com/ugd/729039_3a409e12dbaf47a592db46ea6de923da.pdf) | | Oct 2017 |
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| **Skills** | **Language**: Python, R, MATLAB, Julia, C/C++, SQL, HTML, CSS, Javascript | |  |
|  | **Tools**: OpenGL, PyTorch, Numpy, Scikit-learn, Caret, Git, Excel, JMP, BMC, Tableau | |  |
| Highly motivated Ph.D. candidate in Computer Science with expertise in RL, ML, Bayesian methods, Deep Learning, and actuarial science. Have strong problem-solving, presentation, interpersonal and analytical skills. Experienced with publications and reviewing in prestigious conferences. Proficient in programming languages and tools including Julia, Python, R, C++, SQL, MATLAB, Tableau, Git, and Excel. | | | |