

# CONOR F. HAYES

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[google scholar](#)

[conorfhayes.info](http://conorfhayes.info)

Galway, Ireland

## Education

Doctor of Philosophy (PhD) in Computer Science

National University of Ireland Galway

September 2019 - Present

Galway Ireland

- My research focuses on Multi-Objective Reinforcement Learning and its applications to the real world
- Supervisors: Dr. Enda Howley & Dr. Patrick Mannion

Master of Science (MSc) in Computer Science

National University of Ireland Galway

September 2018 - August 2019

Galway Ireland

- First Class Honours
- Master's with emphasis on Data Analytics
- Supervisors: Dr. Enda Howley & Dr. Patrick Mannion
- Research Areas: Machine Learning, Artificial Intelligence, Multi-Agent Systems, Multi-Objective Decision Making, Reinforcement Learning
- Postgraduate Thesis: *Dynamic Economic Emissions Dispatch with Thresholded Lexicographic Ordering*

## Professional Experience

Teaching Assistant

National University of Ireland Galway

September 2019 - Present

Galway, Ireland

- Courses: Programming for Data Analytics (R), Computer Systems (R), Agents, Multi-Agent Systems & Reinforcement Learning, & Enterprise Java Programming (Java)

Software Engineer

TQS Integration

May 2015 - August 2018

San Francisco, USA

- Designed, implemented and validated large-scale real-time data historian systems
- Consulted for Biotech industry and ran projects for Johnson & Johnson, Genentech, Shire
- Consulted for energy industry and ran projects for Pacific Gas Electric (PG&E)

## Relevant Experience

Conference Workshop Organiser

Adaptive Learning Agents Workshop (ALA)

September 2020 - Present

- I am a member of the organising committee for ALA 2021 at AA-MAS 2021 (London, UK)

## Scholarships

Hardiman Scholarship Recipient

National University of Ireland Galway

September 2019 - Present

## Skills

Reinforcement Learning

Multi-Objective Decision Making

Artificial Intelligence

Machine Learning

Planning

Optimisation

Editing

Writing

Project Management

Research

## Strengths

Time Management

Collaboration

Problem Solving

Communication

## Programming Languages

Python



Java



R



## Publications

Thesis

- Conor F. Hayes. *Dynamic Economic Emissions Dispatch with Thresholded Lexicographic Ordering*. For completion of Masters Degree at National University of Ireland Galway.

Conference Proceedings

- Conor F. Hayes, Mathieu Reymond, Diederik M. Roijers, Enda Howley and Patrick Mannion. *Distributional Monte Carlo Tree Search for Risk-Aware and Multi-Objective Reinforcement Learning*. Proceedings of the 20th International Conference on Autonomous Agents and MultiAgent Systems (2021).
- For all current publications please see my google scholar