Mark Nemecek

■ markn@cs.duke.edu | ★ mark-nemecek.github.io

Education **Duke University** Durham, NC PHD COMPUTER SCIENCE September 2023 · Advisor: Ronald Parr • Dissertation: Transfer Learning in Value-based Methods with Successor Features **Duke University** Durham, NC MS COMPUTER SCIENCE May 2019 • Advisor: Ronald Parr • Thesis: Transition Space Distance Learning Florida Atlantic University Boca Raton, FL **BS COMPUTER SCIENCE** December 2011 Publications __ REFEREED PAPERS Nemecek, M; Parr, R. 2021. Policy Caches with Successor Features. International Conference on Machine Learning (ICML). **UNDER REVIEW** Tasse, G N; Love, T; Nemecek, M; James, S; Rosman, B. ROSARL: Reward-Only Safe Reinforcement Learning. **OTHER PAPERS** Nemecek, M. 2019. Transition Space Distance Learning. Master's thesis, Duke University. IN PREPARATION Nemecek, M; Parr, R. Hierarchical Learning with Successor Features. Nemecek, M; Jin, W; Parr, R. Value-based Transfer with Continuous Actions. Professional Experience _____ 2017 - 2023 Research Assistant, Duke Computer Science 2016 - 2017 Graduate Teaching Assistant, Duke Computer Science 2015 - 2016 Research Assistant, Duke Computer Science **2012 - 2015 Software Developer**, Farragut Systems, Inc. 2007 - 2010 System Administrator, Alliant Techsystems, Inc. (Now part of Northrop Grumman) Awards_

2020 Outstanding Departmental Service Award, Duke Computer Science

Presentations _____

INVITED TALKS

October 2022. *Improving Transfer Learning with Successor Features*. Invited talk at the Intelligent Robot Lab at Brown University, Providence, RI.

CONTRIBUTED PRESENTATIONS

Nemecek, M; Parr, R. 2021. Policy Caches with Successor Features. Short Talk/Poster: International Conference on Machine Learning (ICML), Virtual.

Nemecek, M. 2018. Transition Space Distance Learning. DRIV seminar: Duke Computer Science, Durham, NC.

Teaching Experience _

Spring 2017 **CS 270: Intro to AI (Undergraduate)**, Graduate Teaching Assistant Fall 2016 **CS 570: Artificial Intelligence (Graduate)**, Graduate Teaching Assistant

Mentoring _____

DUKE CS FIRST-YEAR STUDENT MENTORSHIP PROGRAM

2021 - 2022 Raghuveer Thirukovalluru, PhD Student

2020 - 2021 **Shujun Qi**, PhD Student 2017 - 2018 **Alina Barnett**, PhD Student

Service _____

SERVICE

2023	Duke CS PhD Recruitment , Graduate Committee Member
2019 - 2020	Duke CS, Graduate Liaison to Faculty
2017 - 2020	Duke CS PhD Recruitment, Graduate Committee Chair
2017 - 2018	Duke CS Faculty Search, Graduate Committee Chair
2016	Duke CS Faculty Search, Graduate Committee Member
2016	Duke CS PhD Recruitment, Graduate Committee Member

PEER REVIEW

2022 - 2023 NeurIPS, Reviewer