

## PHD CANDIDATE · COMPUTER SCIENCE

Duke University, 308 Research Dr, Durham, NC 27705

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Education\_

versity, Providence, RI.

Duke University PHD COMPUTER SCIENCE  • Advisor: Ronald Parr	Durham, NC (expected) May 2023
Duke University MS COMPUTER SCIENCE  • Advisor: Ronald Parr  • Thesis: Transition Space Distance Learning	Durham, NC May 2019
Florida Atlantic University BS COMPUTER SCIENCE	Boca Raton, FL December 2011
Professional Experience	
<ul> <li>2017 - 2023 Research Assistant, Duke Computer Science</li> <li>2016 - 2017 Graduate Teaching Assistant, Duke Computer Science</li> <li>2015 - 2016 Research Assistant, Duke Computer Science</li> <li>2012 - 2015 Software Developer, Farragut Systems, Inc.</li> <li>2007 - 2010 System Administrator, Alliant Techsystems, Inc. (Now part of Northrop Grumman)</li> </ul>	)
Publications	
Refereed Papers	
<b>Nemecek, M</b> ; Parr, R. 2021. Policy Caches with Successor Features. Internation Conference on I	Machine Learning (ICML).
Other Papers	
<b>Nemecek, M</b> . 2019. Transition Space Distance Learning. Master's thesis, Duke University.	
In Preparation	
Hierarchical Learning with Successor Features	
Value-based Transfer with Continuous Actions	
Awards	
2020 Outstanding Departmental Service Award, Duke Computer Science	
Presentations	
Invited Talks	
October 2022. Improving Transfer Learning with Successor Features. Invited talk at the Intellige	ent Robot Lab at Brown Uni-

### **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**

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 NeurIPS, Reviewer