

Education

- 2019 - present **University of Michigan**
Ph.D. in Computer Science and Engineering
- 2015 - 2019 **California Institute of Technology**
B.S. in Electrical Engineering, Minor in Computer Science GPA: 3.7

Awards and Fellowships

- 2019 National Physical Science Consortium Fellowship
2018 Arthur E. Lamel Memorial Summer Undergraduate Research Fellowship
2018 SanPietro Travel Prize Recipient
2015 National Merit Scholar

Research and Work Experience

- Summer 2018 **Summer Undergraduate Research Fellow**, *California Institute of Technology*
Mentored by Professor Yisong Yue.
Created and tested a novel technique combining domain knowledge and machine learning approaches to create safer and more accurate controllers.
- Summer 2017 **Software Engineering Intern**, *Rocketship.vc*
Created method to scrape and store information about startup investors and founders. Performed social network analysis to find trends among networks of successful venture personnel.
- Summer 2016 **Summer Undergraduate Research Fellow**, *NASA Jet Propulsion Laboratory*
Mentored by Dr. Glenn Orton.
Performed mathematical modeling and spectral analysis to identify nature of astronomical impact on Jupiter.
- 2013 - 2015 **Research Intern**, *Stanford University*
Mentored by Professor Shripad Tuljapurkar.
Created mathematical models to simulate habitat degradation.

Publications

Andrew J. Taylor, Victor D. Dorobantu, **Meera Krishnamoorthy**, Hoang M. Le, Yisong Yue, Aaron D. Ames. "A Control Lyapunov Perspective on Episodic Learning via Projection to State Stability," Conference Paper, *IEEE Conference on Decision and Control (CDC)*, Dec. 2019, Nice, France.

Presentations

- Meera Krishnamoorthy**. "Integrating Domain Knowledge for Faster Learning in Optimal Control," Oral Presentation, SURF Seminar Day, October 2018, Pasadena, CA.
- Meera Krishnamoorthy**. "Cometary versus Asteroidal Impacts," Oral Presentation, SURF Seminar Day, August 2016, Pasadena, CA.

Teaching

2018 - 2019 **Undergraduate Teaching Assistant**, *California Institute of Technology*
CS/CNS/EE 156a: Learning Systems (Fall 2018)
CS/CNS/EE 155: Machine Learning and Data Mining (Winter 2019)
CS/CNS/EE 156b: Learning Systems Project Course (Spring 2019)

Professional and Academic Service

2015 - 2019 **Co-editor in Chief**, *Caltech Undergraduate Research Journal*
Oversee editing and publication process of journal.

Volunteer Work

2015 - 2019 **Member**, *Caltech Robogals*
Teach robotics workshops to 1st - 8th grade students.

2015 - 2019 **Member**, *Caltech Society of Women Engineers*
Mentor younger members about classes and internships. Volunteer in community outreach events.

2015 - 2019 **Tutor**, *RISE Program*
Tutor 8th - 12th grade students in various math and science courses.