Julianna Schalkwyk

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jschalkwyk.github.io

EDUCATION	**Georgia Institute of Technology**	*2023 - Present*
	Ph.D. in Computer Science	
	Harvey Mudd College	*2019 - 2023*
	Bachelor's of Science: Joint Major in Computer Science and Mathematics	

RESEARCH EXPERIENCE

Graduate Research Assistant at CORE Lab, Atlanta, GA *August 2023 - Present*

- Working with Professor Gombolay to develop a study on personalization and privacy in human-robot interactions

Research Intern at the HADD Lab, Claremont, CA *May 2022 - August 2022*

- Worked with Professor Haddock and Professor Zinn-Brooks on investigating and proving convergence for a new bounded confidence model
- Participated in the end-to-end research process for the project

Research Intern at the HEATLab, Claremont, CA *May 2021-August 2021*

- Worked with Professor Boerkoel and fellow students on Simple Temporal Networks for Improvisational Teamwork
- Participated in the end-to-end research process for the project
- Worked on a paper that was accepted to ICAPS 2022 Conference and AAAI 2022 Spring Symposium

HONORS AND AWARDS

Greever Clinic Award

The Greever Award is awarded annually to students (individually or as a team) who make an outstanding contribution as part of the HMC Mathematics Clinic program.

Harvey S. Mudd Merit Award

Awarded to students who demonstrate superior academic achievement and ability to contribute to the College community.

Harvey Mudd College National Merit Scholarship

Awarded to National Merit finalists who name Harvey Mudd as their first-choice school.

Girl Scout Gold Award

Lead science workshops in an after-school program for underprivileged children in order to introduce them to STEM and encourage them to pursue it in the future.

PUBLICATIONS

Simple Temporal Networks for Improvisational Teamwork

Malia Morgan, Julianna Schalkwyk, Huaxiaoyue Wang, Hannah Davalos, Ryan Martinez, Vibha Rohilla, James Boerkoel

Proceedings of the International Conference on Automated Planning and Scheduling. Vol. 32. 2022.

An Interpretable Joint Nonnegative Matrix Factorization-Based Point Cloud Distance Measure

Hannah Friedman, Amani R. Maina-Kilaas, Julianna Schalkwyk, Hina Ahmed, Jamie Haddock

2023 57th Annual Conference on Information Sciences and Systems (CISS). IEEE, 2023.