

Gopika Ajaykumar

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Education

- 2018 - present PhD in Computer Science
The Johns Hopkins University
Advisor: Chien-Ming Huang
- 2015 - 2018 BS in Electrical and Computer Engineering
The University of Texas at Austin

Honors & Awards

- 2019 Inaugural Engineering/Nursing Joint Fellowship, *The Johns Hopkins University*
- 2018 Howard and Jacqueline Chertkof Endowed Fellowship, *The Johns Hopkins University*
- 2018 National Science Foundation Graduate Research Fellowship
- 2018 Graduating Honors, *The University of Texas at Austin*
- 2018 Roberto Rocca Scholarship, *Tenaris*
- 2017 Braden Communication Scholarship, *The University of Texas at Austin*
- 2015 - 2017 University Honors, *The University of Texas at Austin*

Research Experience

- 2018 - present Graduate Researcher, **Intuitive Computing Lab**
The Johns Hopkins University
- 2017 - 2018 Undergraduate Research Assistant, **Nuclear and Applied Robotics Group**
The University of Texas at Austin
- 2016 Undergraduate Researcher, **Rockwell Automation Laboratory**
Texas A&M University

Publications

PEER-REVIEWED CONFERENCE FULL PAPERS

- 2020 Han, J., Ajaykumar, G., Li, Z., and Huang, C.-M.
“Structuring Human-Robot Interactions via Interaction Conventions”
In *Proceedings of the 29th IEEE International Symposium on Robot and Human Interactive Commu-
nication (RO-MAN’20)*

2020 Wang, Y., Ajaykumar, G., and Huang, C.-M.
“See What I See: Enabling User-Centric Robotic Assistance Using First-Person Demonstrations”
In *Proceedings of the 2020 ACM/IEEE International Conference on Human-Robot Interaction (HRI’20)*
Acceptance Rate: 24%

PEER-REVIEWED CONFERENCE SHORT PAPERS

Ajaykumar, G. and Huang, C.-M.
“User Needs and Design Opportunities in End-User Robot Programming”
2020 HRI Late-Breaking Report

Teaching Experience

Fall 2019 Teaching Assistant, **EN.601.490/690 Introduction to Human-Computer Interaction**
Department of Computer Science, The Johns Hopkins University

Service

CONFERENCE PAPER REFEREE

2021 International Conference on Human-Robot Interaction (HRI)
2020 International Symposium on Robot and Human Interactive Communication (RO-MAN)
2019 International Conference on Human-Robot Interaction (HRI)

JOURNAL ARTICLE REFEREE

ACM Transactions on Human-Robot Interaction

OUTREACH

2019 Girl Scouts Robotics Workshop Speaker, *Designing Robots That Help People*
Maryland Science Center, Baltimore, MD