Gopika Ajaykumar

The Johns Hopkins University
Department of Computer Science
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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 Laboratory**
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 J. Han*, **G. Ajaykumar***, Z. Li, and C.-M. Huang.
"Structuring Human-Robot Interactions via Interaction Conventions"

In *Proceedings of the 29th IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN'20)* *equal contribution

2020 Y. Wang, **G. Ajaykumar**, and C.-M. Huang.
"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

2020 **G. Ajaykumar** and C.-M. Huang.
"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

Professional 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