Sarah Darrow

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EDUCATION:

Mississippi State University, Starkville MS
Bachelor of Science, Computer Science, May 2019
GPA: 3.9/4.0

EXPERIENCE:

SOCIAL,THERAPEUTIC, AND ROBOTIC SYSTEMS LAB: Researcher   **April 2016 - Present**
- Developing Therabot™: a robotic dog used for therapeutic treatment of PTSD patients
- Designing and implementing a network of sensors allowing Therabot™ to classify interaction types and react autonomously to touch

GOOGLE: Software Engineering Intern   **May - August 2017**
- Developed 2 internal tools for Google Flights to optimize configurations for fetching flight data and visualize results of existing tools
- Designed web clients, implemented RPC services, and read databases using Javascript, Python, and C++
- Volunteered for high school visits on 2 tours and 5 career panels, and worked as a Computer Science Summer Institute Teaching Assistant

GOOGLE: Engineering Practicum Intern   **May - August 2016**
- Wrote code for a new feature on Google+
- Tested written code thoroughly with unit and integration tests
- Created multiple versions of the UI of the feature for A/B testing

PRESENTATIONS

- **Sarah Darrow**, Aaron Kimbrell, Nikhil Lokhande, Nicholas Dinep-Schneider, T.J. Ciufo, Brandon Odom, Zachary Henkel, Cindy L. Bethel (2018) "TherabotTM: A Robotic Support Companion". HRI '18-Companion of the 2018 ACM/IEEE International Conference on Human-Robot Interaction
- **Sarah Darrow** and Cindy L. Bethel (2018) "Optimizing Interaction Enjoyment with Reinforcement Learning on Autonomous Robotic Behavior". Mississippi State University Undergraduate Research Symposium
- **Sarah Darrow** and Cindy L. Bethel (2017) "Gesture Recognition in a Therapeutic Robotic Dog". Mississippi State University Undergraduate Research Symposium

OUTREACH:

ProjectCSGIRLS Curriculum Development Team Director
- Leading a team of 14 students to create computer science curriculum taught to thousands of middle school girls in the United States and India
- Hosting workshops to teach Python, Scratch, and Javascript to local students

Mississippi State University Computer Science and Engineering Department Ambassador
- Assisting in recruiting and retaining Computer Science and Software Engineering students in outreach events and advising sessions
- Acting as an on-call volunteer for tutoring and K-12 educational events
- Providing feedback to department leadership and advisory board reviews

FIRST, VEX, BEST, and SeaPerch robotics competition team mentor and tournament volunteer
- Volunteered at 30+ competitions; mentored 15+ elementary, middle, and high school teams