

# Siddhartha Banerjee

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## EDUCATION

### GEORGIA INST. OF TECH.

#### PH.D. IN ROBOTICS

In Progress | Atlanta, GA

Advised by Dr. Sonia Chernova

### YALE UNIVERSITY

#### B.S. IN ELECTRICAL

#### ENGINEERING/COMPUTER SCIENCE

May 2013 | New Haven, CT

Distinction in Major

GPA: 3.7 / 4.0

### VASANT VALLEY SCHOOL

Grad. 2009 | New Delhi, India

## LINKS

Github:// [banerjs](#)

LinkedIn:// [banerjs](#)

ResearchGate:// [Siddhartha\\_Banerjee5](#)

Goodreads:// [siddhartha-banerjee](#)

## COURSEWORK

### GRADUATE

Artificial Intelligence (Student & TA)

Deep Learning

Linear Systems & Control

Nonlinear Systems

Human-Robot Interaction

Human-Computer Interaction

Evaluation of Human Integrated Systems

### UNDERGRADUATE

Intro to VLSI System Design

Systems & Control

Science of Complex Systems

Systems Programming

Design & Analysis of Algorithms

Intelligent Robotics

Computational Vision

Database Systems

Mobile Computing & Wireless Networks

## PROGRAMMING

### LANGUAGES

Familiar:

Python • C++ • C • Java • C#

MATLAB • Shell • Javascript

CSS • SQL •  $\text{\LaTeX}$

### FRAMEWORKS

ROS • Django • React • PyTorch

## WORK EXPERIENCE

### MICROSOFT | RESEARCH INTERN

May 2017 - August 2017 | Seattle, WA

- Worked with Situated Interaction Group
- Setup a robot for in-the-wild activity recognition, with a focus on learning from human-robot interaction

### REDFIN | SOFTWARE ENGINEER

July 2013 - June 2015 | Seattle, WA

- Designed and maintained ETL pipeline for house listing data
- Integrated 3rd party GIS data
- Calculated and displayed aggregate housing data for regions
- Maintained internal tools for managing agents and locations

### MICROSOFT | HARDWARE VERIFICATION INTERN

May 2012 - August 2012 | Mountain View, CA

- VLSI hardware verification and testing for the Xbox One
- Used waveform analysis and BIOS Kernel Developer Specifications to test a System-on-Chip

## AWARDS & LEADERSHIP

2017--2018	President	Georgia Tech RoboGrads
2016--2017	Social Chair	Georgia Tech RoboGrads
2014	Employee of Quarter	Redfin
2012--2013	Team Mentor	Yale Formula Hybrid FSAE Team
2011	Fellow	Yale Entrepreneurial Institute Summer Fellowship
2011--2012	Vice-President	Yale Formula Hybrid FSAE Team
2007	Winner	Indian Robot Olympiad

## NOTABLE PUBLICATIONS

- [1] S. Banerjee and S. Chernova, "Temporal models for robot classification of human interruptibility," in *Int. Conf. on Autonomous Agents & Multiagent Systems*, no. 16. IFAAMAS, 2017, pp. 1350--1359.
- [2] B. Harrison, S. Banerjee, and M. O. Riedl, "Learning from Stories: Using Natural Communication to Train Believable Agents," *IJCAI 2016 - Workshop on Interactive Machine Learning*, 2016.

### YALE FORMULA HYBRID FSAE | STUDENT ORGANIZATION

2009 - 2013 | Yale

Designed and built formula style gas-electric hybrid cars to compete nationally. Team won several awards including Best Hybrid Car (2013), Ford Efficiency (2013), Chrysler Innovation (2013), & GM Best Engineered Hybrid System (2010, 2013)