

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](#)

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

COURSEWORK

GRADUATE

Artificial Intelligence (Student & TA)

Deep Learning

Linear Systems & Control

Nonlinear Systems

Human-Robot Interaction (Student & TA)

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

R • SQL • \LaTeX

FRAMEWORKS

ROS • Django • React • PyTorch

WORK EXPERIENCE

DILIGENT ROBOTICS | ROBOTICS INTERN

May 2018 - August 2018 | Austin, TX

- Developed software modules for the Moxi robot
- Experienced the process of porting research code into a robot product

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

AWARDS & LEADERSHIP

| | | |
|-----------|---------------------|--|
| 2019 | Panel Chair | HRI Pioneers Workshop |
| 2017-2018 | President | Georgia Tech RoboGrads |
| 2014 | Employee of Quarter | Redfin |
| 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] S. Banerjee, A. Silva, and S. Chernova, "Robot classification of human interruptibility and a study of its effects," *ACM Trans. on Human-Robot Interaction (THRI)*, vol. 7, no. 2, p. 14, 2018.

SELECT PROJECTS

FETCHIT! CHALLENGE | ROBOTICS COMPETITION

Summer 2019 | ICRA

Developed robot software to complete a mobile manipulation challenge at the ICRA 2019 FetchIt! Challenge hosted by Fetch Robotics. The team placed first, winning a Fetch mobile manipulator robot.

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)