

## EDUCATION

<b>University of Washington</b> Ph.D., Computer Science	2017 – present
<b>Carnegie Mellon University</b> Ph.D., Robotics, 4.00 GPA	2016 – 2017
<b>University of California, Berkeley</b> B.S., Electrical Engineering and Computer Science, 3.85 GPA	2012 – 2016

## EXPERIENCE

<b>Personal Robotics Lab</b> <i>University of Washington, Carnegie Mellon University</i> Adviser: Siddhartha Srinivasa	2016 – present
<b>Automation Sciences Lab</b> <i>University of California, Berkeley</i> Adviser: Ken Goldberg	2015 – 2016

## PUBLICATIONS

### **Efficient Motion Planning for Problems Lacking Optimal Substructure**

Oren Salzman, Brian Hou, Siddhartha Srinivasa.

International Conference on Automated Planning and Scheduling (ICAPS), 2017.

### **Privacy-Preserving Cloud-Based Grasp Planning**

Jeffrey Mahler, Brian Hou, Sherdil Niyaz, Florian T. Pokorny, Ramu Chandra, Ken Goldberg.

IEEE International Conference on Automation Science and Engineering (CASE), 2016.

*Finalist, Best Student Paper Award*

### **Dex-Net 1.0: A Cloud-Based Network of 3D Objects for Robust Grasp Planning Using a Multi-Armed Bandit Model with Correlated Rewards**

Jeffrey Mahler, Florian T. Pokorny, Brian Hou, Melrose Roderick, Michael Laskey, Mathieu Aubry, Kai Kohlhoff, Torsten Kroeger, James Kuffner, Ken Goldberg.

IEEE International Conference on Robotics and Automation (ICRA), 2016.

*Finalist, Best Manipulation Paper Award*

### **Fuzz Testing Projects in Massive Courses**

Sumukh Sridhara, Brian Hou, Jeffrey Lu, John DeNero.

ACM Conference on Learning @ Scale (L@S), 2016.

### **Problems Before Solutions: Automated Problem Clarification at Scale**

Soumya Basu, Albert Wu, Brian Hou, John DeNero.

ACM Conference on Learning @ Scale (L@S), 2015.

## HONORS & AWARDS

NASA Space Technology Research Fellowship	03/2017 – present
UC Berkeley Outstanding Graduate Student Instructor Award	05/2016
NSF Graduate Research Fellowship Honorable Mention	03/2016
UC Berkeley EECS Honors Degree Program	08/2014 – 05/2016
UC Berkeley Regents' and Chancellor's Scholar	03/2012 – 05/2016