Jason Liu

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Education

2018 – 2023 **Ph.D. in Computer Science**, *Brown University*, Providence, RI.

Advisor: Stefanie A. Tellex
Research: POMDP Planning, Reinforcement Learning, Human-Robot Interaction, Natural Language Processing, Computer Vision

2014 – 2017 **B.S. in Electrical Engineering and Computer Sciences**, *University of California, Berkeley*, Berkeley, CA.

Advisor: Ken Goldberg, David Wagner
Research: Robotic Grasping, Usable Security

Selected Papers

2019 *Specificity-Controlled Video Captioning.*
Jason Liu, Ellie Pavlick, Daniel Ritchie, Stefanie Tellex.
Unpublished Manuscript 2019.

ICRA 2018 *Dex-Net 3.0: Computing Robust Vacuum Suction Grasp Targets in Point Clouds Using a New Analytic Model and Deep Learning.*
Jeffrey Mahler, Matthew Matl, Xinyu Liu, Albert Li, David Gealy, Ken Goldberg.
IEEE International Conference on Robotics and Automation (ICRA) 2018.

ICISS 2018 *Detecting Phone Theft Using Machine Learning.*
Xinyu Liu, David Wagner, Serge Egelman.
International Conference on Information Science and System (ICISS) 2018.

RSS 2017 *Dex-Net 2.0: Deep Learning to Plan Robust Grasps with Synthetic Point Clouds and Analytic Grasp Metrics.*
Jeffrey Mahler, Jacky Liang, Sherdil Niyaz, Michael Laskey, Richard Doan, Xinyu Liu, Juan Aparicio Ojea, Ken Goldberg.
Robotics: Science and Systems (RSS) 2017.

Professional Experience

Summer 2019 **Research Assistant**, *Brown University*, Providence, RI, Advised by Stefanie Tellex, George Konidaris.

Summer 2018 **Research Assistant**, *Brown University*, Providence, RI, Advised by Stefanie Tellex.

2017 – 2018 **Research Assistant**, *University of California, Berkeley*, Berkeley, CA, Advised by Ken Goldberg, David Wagner.

Summer 2016 **Research Assistant**, *University of California, Berkeley*, Berkeley, CA, Advised by David Wagner.

Summer 2015 **Software Engineer**, *NetSuite*, San Mateo, CA.

Skills

Computing Python, TensorFlow, PyTorch, Java, C++, MATLAB, Unity, Linux, LaTeX.

Language English, Chinese.

Relevant Coursework

Brown University
Learning and Sequential Decision Making.
Advanced Probabilistic Methods in Computer Science.
Computational Linguistics.
Computational Semantics.
Computer Vision for Graphics and Interaction.

UC Berkeley
Algorithmic Human-Robot Interaction.
Optimization Models in Engineering.
Introduction to Machine Learning.

Awards and Honors

Brown University
National Science Foundation Graduate Research Fellowship Program.
Jack Kent Cooke Graduate Fellowship.

UC Berkeley
Tau Beta Pi, National Engineering Honor Society, Fall 2014.
Eta Kappa Nu, National EECS Honor Society, Fall 2014.
Term Honor: Honors to Date, Fall 2014, Spring 2015.