Stephen Brawner, PE

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Academic

Ph.D student, Computer Science. Brown Univers Advisors: Dr. Michael Littman, Dr. Stefanie Tellex Research Focus:		exp 2017
 Online inverse reinforcement learning with only Choose helpful actions given a belief distribution makespan 		
Sc.M., Computer Science. Brown University. Pro GPA: 3.9	ovidence, RI	2014
 Robotics, artificial intelligence, natural language 	e processing, machine learning	
B.S., Engineering. Harvey Mudd College. Claren GPA: 3.2. Deans List	nont, CA	2007
- Microprocessor design, digital/analog electronic	s and mechanical engineering	
Professional		
Software Engineering Intern, Bot & Dolly, Inc. San Francisco, CA		2013
 Designed and built BD Build, a system of cor Rhinocerous 5 to manipulate a stage of robots, 		
Software Research Intern, Open Source Robotics Foundation, Inc. Mountain View, CA		2012-2013
 Researched and built Robust, a markup language testing in ROS to facilitate proof-by-reproducibile 	•	
Software Engineering Intern, Willow Garage. Menlo Park, CA		2012
 Developed a SolidWorks add-in to export a co Robot Description Format (URDF) file 	mplex robot design to a ROS-compatible Unified	
Consulting Engineer. Los Angeles, CA		2010-2011
 Designed and built compact device to coordinate and imaging lights for 3D time lapse video 		
— Designed and built concussion monitoring system for use in youth football		2009 2010
Project Engineer. eSolar, Inc. Pasadena, CA — Developed heliostat cleaning system to clean 12,000 mirrors nightly with only two operators		2008-2010
 Developed Heliostat Clearing System to Clear 12 Designed, built and tested a semi-autonomous design to restore mirror cleanliness to 95% with Patent: WO 2010093876 A2, "Heliostat Field Cleaning System to Clear 12 	heliostat cleaning vehicle as key feature of system minimal operator intervention	
System Administrator Harvey Mudd College. Claremont, CA — Deployed and maintained Engineering department computer systems to provide 24/7 availability		2007-2008
	familiar Programming Languages	

Open Source Software

- $\ \mathsf{SW2URDF} \colon \mathsf{bitbucket.org/brawner/sw2urdf}$
- $\ \, \mathsf{Baxter} \ \mathsf{H2R} \ \mathsf{Packages:} \ \mathsf{github.com/h2r/baxter_h2r_packages}$
- Collision Map Creator: bitbucket.org/brawner/collision_map_creator_plugin

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