

ADAM ALLEVATO

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<http://allevato.me>

EDUCATION

PhD student, Mechanical Engineering
[Masters of Science](#), Mechanical Engineering
University of Texas at Austin, Austin, TX
2014-Present, GPA: 3.95/4.0

Bachelors of Science, Mechanical Engineering
Colorado State University, Fort Collins, CO
2010-2014, GPA: 3.96/4.0
Arapahoe Community College, Littleton, CO
2009-2010, GPA: 4.0/4.0

CURRENT POSITION

[Nuclear and Applied Robotics Group](#), UT Austin

August 2014 - Present

Using machine learning and simulations to develop flexible robot manipulation strategies
Maintainer of ROS-based 3D visual recognition library and other open-source packages

PUBLICATIONS

Learning Object Affordances using Simulation

Submitted Paper, 2018 International Conference on Autonomous Agents and Multiagent Systems (AAMAS), Adam Allevato, Andrea Thomaz, Mitch Pryor

Getting the Shot: Socially-Aware Viewpoints for Autonomously Filming Tasks

Conference Paper, 2017 IEEE International Workshop on Advanced Robotics and its Social Impacts (ARSO), Adam Allevato, Andrew Sharp, Mitch Pryor

Demonstrating Autonomous and Robust Sorting in a Glovebox Environment

Conference Paper, American Nuclear Society Decommissioning and Remote Systems 2016
Adam Allevato, Matthew Horn, Mitch Pryor

Characterizing Glovebox Automation Tasks using Partially Observable Markov Decision Processes

Conference Paper, American Nuclear Society Decommissioning and Remote Systems 2016
Adam Allevato, Mitch Pryor

Sensor Fusion for Autonomous Remote Inventory Validation

Late-Breaking Results Poster, International Conference on Robotics and Automation (ICRA) 2015
Blake Anderson, Adam Allevato, Alex von Sternberg, Mitch Pryor

Using a Depth Camera for Object Classification in Nuclear Gloveboxes

Podium Presentation/Technical Session (14702), American Nuclear Society 2015 Student Conf.
Adam Allevato, Tom Lu, Mitch Pryor

OPEN SOURCE CONTRIBUTIONS

- Contributor to several robotics repositories, available on GitHub: <https://github.com/Kukanani>
- Administrator/contributor: [Public](#) and private UT Nuclear Robotics Group laboratory repositories

WORK EXPERIENCE

Open Robotics (formerly OSRF): Software Engineering Intern	Summer 2017
Los Alamos National Laboratory: Graduate Research Associate	Summer 2015/2016
Designed system for verifying detonator component dimensions using automated CT scanning.	
Selected, procured, validated and proved industrial collaborative robot for small component handling.	
Measuring Usability: Application Developer	Summer 2014
Morgan Stanley: Summer Analyst	Summer 2013
Colorado State University: Grader, Machine Design Class	Spring 2013
United Launch Alliance: Intern	Summer 2012
Cardiovascular and BioFluid Mechanics Lab: Undergraduate Research Assistant	Spring 2012
Rocky Mountain Student Media Corporation: Webmaster	February 2011-May 2014

AWARDS AND SCHOLARSHIPS

2015-Present	U.S. DOE Nuclear Energy University Program (NEUP) Nuclear Engineering Fellowship
2013-2014	AP-Google Journalism and Technology Scholarship (press release and detailed info)
2013	Placed 1 st at CSU and 5 th nationally in Windward 2013 Code Wars
2012-2013	Undergraduate Academic Excellence award, CSU School of Mechanical Engineering
2010-2014	CSU College of Engineering Dean's List

PROFESSIONAL AND HONOR SOCIETY MEMBERSHIPS

Tau Beta Pi Mechanical Engineering Honor Society
American Society of Mechanical Engineers (ASME)
American Nuclear Society (ANS)
Institute of Electrical and Electronics Engineers (IEEE)