

# ADAM ALLEVATO

[adam.d.allevato@gmail.com](mailto:adam.d.allevato@gmail.com)

(303)-818-6576

<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 ( <a href="#">press release</a> and <a href="#">detailed info</a> )
2013	Placed 1 <sup>st</sup> at CSU and 5 <sup>th</sup> nationally in <a href="#">Windward 2013 Code Wars</a>
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)