

# Ames Lab Interns Make Their Research Mark in Industry, Academia and at DOE National Labs

## Program Results

SULI, CCI, VFP

- 76% - Motivated by their Ames Lab experience to pursue an advanced degree
- 84% - Ames Lab experience influenced their career decisions
- 29% - Received or are pursuing a Ph.D.
- 27% - Received or are pursuing a master's degree
- 34% - Published articles or presentations based on research performed at the Ames Laboratory
- 45% - Conduct research or teach at universities
- 19% - Work in industry
- 11% - Work for the DOE at national laboratories
- 92% - Conducted further research supported by U.S. government funds

Ames Laboratory's internship programs include the Science Undergraduate Laboratory Internship (SULI), Visiting Faculty Program (VFP) and Community College Internship (CCI). Since 2005, approximately 200 students/faculty from over 100 colleges and universities nationwide have participated in Ames Lab internships, having been mentored by approximately 85 scientists and engineers.



**Magdalena Furczon-Tylka, Science Undergraduate Laboratory Internship – 2006**

Ph.D., Chemical Engineering, Illinois Institute of Technology – 2010  
Argonne National Laboratory, engineering assistant

Working with pyroprocess development in the Nuclear and Environmental Processes department studying and developing innovative electrochemical processes for nuclear separations.



**Lam Nguyen, Community College Internship – 2012**

A.D., Electronics, Lansing Community College – 2012  
Preparing to begin coursework to complete his bachelor's degree

*"My mentor at Ames Lab taught me interesting ideas that I wouldn't have learned in college classes alone. The internship was a great opportunity to become familiar with the working world."*



**Trishelle Copeland-Johnson, Community College Internship – 2009, Science Undergraduate Laboratory Internship – 2010**

Ph.D., Chemical Engineering (in progress), University of Delaware, graduate student and researcher

Recipient of a 2013 NASA Space Technology Research Fellowship (NSTRF) seeking to improve materials that absorb electromagnetic radiation in II-VI thin-film cells.

*"My experience at Ames National Laboratory helped me develop confidence as both a research scientist and an engineer. The technical skills I gained during my appointment have, on a number of occasions, distinguished me and provided me with further research opportunities."*



**George Scott, Science Undergraduate Laboratory Internship – 2007**

M.S., Mechanical and Nuclear Engineering, Virginia Commonwealth University – 2011

Booz Allen Hamilton Inc., senior consultant

Supported the refueling of U.S.S. Theodore Roosevelt and U.S.S. Abraham Lincoln aircraft carriers as a nuclear engineer with the Naval Nuclear Propulsion program. Currently on the Cost Restructuring team in Decision Analytics for a leading security and defense contractor.



**Kevin Yang, Science Undergraduate Laboratory Internship – 2008**

B.S., Electrical and Computer Engineering, Cornell University – 2011

Amazon.com, software development engineer

*"From my experience at Ames Laboratory, I learned many invaluable skills that have helped me a great deal with my research and academic endeavors. I feel no hesitation in asserting that SULI is an invaluable program that fosters America's future scientific researchers."*



**Ryan Glamm, Science Undergraduate Laboratory Internship – 2006**

Ph.D., Materials Science and Engineering, Northwestern University – 2011

The Boeing Company, metallic materials and process engineer

Serves Boeing's Research and Technology division developing advanced aerospace alloys through applied systems design.



**Nikki Wearth, Science Undergraduate Laboratory Internship – 2009**

M.S., Civil Engineering, Arizona State University – 2013

Kroger Co., civil engineering project management intern

Optimizes efficiency to relieve sustainability problems that civil engineers may face in the future. Specializes in fluid mechanics, hydrology and urban water systems design.

*"I can say I gained more from the SULI experience than any single college course. In addition to preparing me for a future career, the SULI program changed my mind about graduate school and allowed me to focus on what I really wanted to be involved in."*



**Andrew Fidler, Science Undergraduate Laboratory Internship – 2007**

Ph.D., Physical Chemistry, University of Chicago – 2013  
Department of Energy Office of Science Graduate Fellow 2010 – 2013  
Los Alamos National Laboratory, postdoctoral researcher

Studied time resolved spectroscopic studies of energy transfer events in photosynthetic antenna complexes.

*"I have nothing but good memories of my summer at Ames. The research opportunities continue to be of a high caliber and offer a great opportunity for undergraduates to see what a career in science is like."*



**Javier Grajeda, Science Undergraduate Laboratory Internship – 2011**

B.S., Chemistry, University of Texas at El Paso – 2013  
Villagrán Research Group, research assistant

Working with coordinatively unsaturated bimetallic systems to model catalytic activation, which has applications in energy conversion and environmental remediation.



**Joana Cisneros, Visiting Faculty Program – 2010**

B.S., Chemical Engineering (in progress), Prairie View A&M University  
Summer Medical and Research Training (SMART) Program at the Baylor College of Medicine, researcher

Studies molecular mechanisms of gene structure, function and regulation in plant transformation and regeneration.

