Logan Halstrom

Department of Mechanical and Aerospace Engineering, One Shields Avenue, Davis, CA 95616 ldhalstrom@ucdavis.edu • (530) 965-0755 • https://github.com/ldhalstrom

University of California, Davis, California USA

EDUCATION

PROFESSIONAL AFFILIATIONS & ACTIVITIES	American Institude of Aeronautics and Astronautics, UC Davis Chapter, Davis ■ Member	, California 2011 – 2014
	 Bill Kent Award, Northern California Scholarship Federation For maintaining the highest GPA of any Freshmen scholarship recipient 	2009
	 Presidential Scholar, Humboldt State University For achieving a GPA in the top 15th percentile 	2010
	 Outstanding Achievement in Physics, Butte Community College For exceptional performance in the field of physics 	2011
	 Engineering Dean's List, University of California, Davis For achieving a GPA in the top 16 percent of the College of Engineering 	2011
	 Forrest Mitchell Award, Northern California Scholarship Federation For maintaining the highest GPA of any Junior scholarship recipient 	2012
	■ Regents' Scholar, University of California 2011 – 2013 The most prestigious award on the UC Davis campus given to students entering with a GPA higher than 3.80	
	 Service Award, UC Davis Department of Mechanical Engineering For service as the captain of the Advanced Modeling Aeronautics Team 	May 2013
AWARDS & SCHOLARSHIPS	 Outstanding Achievement, NASA Johnson Space Center Office of Education For outstanding contributions as an intern for the Johnson Space Center 	Aug 2015
	 Teaching Assistant, Department of Mechanical and Aerospace Engineering Sep 2013 – Present Courses: Applied Aerodynamics: Compressible/transonic, viscous flow, finite wings, aircraft equilibrium, panel methods Computational Aerodynamics: 2D finite difference Euler methods, transonic small-disturbance theory Stability and Control of Aerospace Vehicles: State-space representation, longitudinal and lateral stability Rocket Propulsion: Fluid and thermodynamics of liquid and solid rocket engines Supervisors: Dr. Stephen Robinson, Dr. Jean-Pierre Delplanque, Dr. Ron Hess, and Dr. Mohamed Hafez 	
	University of California, Davis	
	Projects: • Designed and conducted pitot-static calibration for WB-57 aircraft • Assisted in Reduced Gravity Operations safty inspections Supervisors: Gregory Johnson and Jack Woods	ıl 2013 – Sep 2013
	 Dynamic simulations of Orion parachute oscillations Optimization of Orion Flush Air Data System sensor array Transonic stability analysis of RED-Data2 re-entry heating probe Supervisors: Steve Labbe and Ben Kirk 	J 2012 - Con 2012
EXPERIENCE	 Johnson Space Center, National Aeronautics and Space Administration Pathways Intern, Applied Aeroscience and CFD Branch (EG3) Projects: 	Jun 2014 – Present
	 Bachelor of Science (B.S.) in Aerospace Engineering and Mechanical Engineerin Graduated with College Honors. 	ng Jun 2013
	 Thesis: Dynamic Mesh Applications and Validation for Computational Fluid Dynamics Sim Adviser: Prof. Stephen Robinson Focus: Computational Fluid Dynamics, dynamics. 	
EDUCATION	Oniversity of Camorina, Davis, Camorina OSA	

CAMPUS ACTIVITIES

Advanced Modeling Aeronautics Team, UC Davis

Captain

Sep 2011 – Jun 2013

- Competed in the Society of Automotive Engineers (SAE) 2013 Aero Design West Competition
- Placed 2nd internationally in overall competition
- Designed and manufactured a model aircraft optimized for specific mission requirements
- Managed team members throughout all stages of the design process

SKILLS

Documentation/Presentation

■ L^AT_EX, Beamer, Microsoft Word, Power Point.

Computing

• Linux, Python, MATLAB, FORTRAN, C++, High Performance Computing, MPI/OpenMP.

Computational Fluid Dynamics

• OVERFLOW, OpenFOAM, Chimera Grid Tools, Pointwise, Tecplot 360/ParaView.

LANGUAGES

- English: Native language.
- Spanish: Basic (speaking, reading, writing).Russian: Basic (speaking, reading, writing).

INTERESTS

Backpacking, digital photography, running.

[CV created on 05-11-2016]