Logan Halstrom

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University of California, Davis, California USA

EDUCATION

LDCC/IIION	Chiversity of Camornia, Bavis, Camornia Corr	
	 Ph.D. Student in Aerospace Engineering Thesis: Dynamic Mesh Applications and Validation for Computational Fluid Dynamics Adviser: Prof. Stephen Robinson Focus: Computational Fluid Dynamics, dynamics. 	Sep 2013 – Mar 2018 Simulations of Parachutes
	 Bachelor of Science (B.S.) in Aerospace Engineering and Mechanical Engine Graduated with College Honors. 	eering Jun 2013
EXPERIENCE	Johnson Space Center, National Aeronautics and Space Administration	
	 Pathways Intern, Applied Aeroscience and CFD Branch (EG3) Projects: Dynamic simulations of Orion parachute oscillations 	Jun 2014 – Present
	 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 	
	 USRA Intern, Aircraft Operations Division (CC3) Projects: Designed and conducted pitot-static calibration for WB-57 aircraft 	Jul 2013 – Sep 2013
	 Assisted in Reduced Gravity Operations safety inspections Supervisors: Gregory Johnson and Jack Woods 	
	University of California, Davis	
	 Teaching Assistant, Department of Mechanical and Aerospace Engineering Courses: 	Sep 2013 – Present
	 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 	
AWARDS & SCHOLARSHIPS	 Outstanding Achievement, NASA Johnson Space Center Office of Education For outstanding contributions as an intern for the Johnson Space Center 	Aug 2015
	 Service Award, UC Davis Department of Mechanical Engineering For service as the captain of the Advanced Modeling Aeronautics Team 	May 2013
	 Regents' Scholar, University of California The most prestigious award on the UC Davis campus given to students entering with a GI 	2011 – 2013 PA higher than 3.80
	 Forrest Mitchell Award, Northern California Scholarship Federation For maintaining the highest GPA of any Junior scholarship recipient 	2012
	 Engineering Dean's List, University of California, Davis For achieving a GPA in the top 16 percent of the College of Engineering 	2011
	 Outstanding Achievement in Physics, Butte Community College For exceptional performance in the field of physics 	2011
	 Presidential Scholar, Humboldt State University For achieving a GPA in the top 15th percentile 	2010
	 Bill Kent Award, Northern California Scholarship Federation For maintaining the highest GPA of any Freshmen scholarship recipient 	2009
	Tor maintaining the ingliest GTT of any Freshmen scholarsing recipient	
PROFESSIONAL AFFILIATIONS	American Institute of Aeronautics and Astronautics, UC Davis Chapter, Da	avis, California

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, cooking

[CV created on 10-31-2016]