

Rohan Aditya Ramadas

| Los Angeles, CA | 310-336-1582 | rohan.a.ramadas@aero.org | 2310 E. El Segundo Blvd. |

EDUCATION

Viterbi School of Engineering
University of Southern California

- ❖ MS, Astronautical Engineering (*December 2012*)
- ❖ BS, Astronautical Engineering (*May 2011*)

EXPERIENCE

Manager, Launch Vehicle Flight Controls (*December 2017 – Present*)
Guidance and Navigation Engineer (*July 2012 – December 2017*)
The Aerospace Corporation

- ❖ Mission simulation/analysis for the ULA Atlas V and Delta IV and SpaceX Falcon 9
 - Python, Fortran, Ada, Proconsul
- ❖ Full 6DOF simulation/modeling of the Minuteman III ICBM
 - MATLAB, Simulink
- ❖ Mission control room support for EELV and ALV launches
 - NASA, NRO, AEHF, GPS, MUOS, SBIRS, TDRS, SpaceX families

Engineering Intern (*June 2010 – June 2012*)
Space Engineering Research Center, ISI

- ❖ Communications architecture design for the AENEAS nanosatellite
- ❖ Physical and structural mass/CG/MOI modeling (SolidWorks)
- ❖ Attitude Determination sensor validation (sun sensor, magnetometer testing)

SKILLS

- ❖ Languages: Python, MATLAB, Simulink, Ada, Fortran, C
- ❖ Familiarity with UNIX and Windows environments
- ❖ FCC Technician Class License (call sign: KJ6PVS)

LEADERSHIP

Program Co-Chair (*2016*) & Alumni Co-Chair (*2017*)
Aerospace Early Career Development Network

- ❖ Organized and facilitated four sessions for ECDN Class of 2016

Planning and Programming Committee (*2007 – 2008*)
Viterbi School of Engineering

- ❖ Organized and implemented successful engineering events

National Director of High School Affairs (*2006 – 2007*)
Students for the Exploration and Development of Space (SEDS)

- ❖ Created compendium of space related speakers for high schools

HONORS & PUBLICATIONS

- ❖ *AENEAS – Colony I Meets Three-Axis Pointing*. AIAA/USU. August 2011.
- ❖ University of Southern California Presidential Scholar
- ❖ Aerospace Corporation ECDN Class of 2015