

# MESA ENGINEERING PROGRAM

(MEP)

## Graduate Profile



**Name:** Casey Anderson (aka Casey Pedroza)

**Major:** Major: B.S. Mechanical Engineering

**Student Organizations:** MESA

**Graduation Year:** December 1997

**Current Employer:** Lockheed Martin Missiles and Space

**Job Title:** Lead Systems Engineer

**Job Description:** I have held numerous positions since being hired by with Lockheed Martin in 1997.

Three of the positions were as a result of a promotion. I started off as a Computer Programmer and Test Engineer responsible for the Guidance, Navigation and Control System of Commercial Satellites.

About 9 months later I was offered a promotion on the National Missile Defense side of the corporation as a Vehicle Engineer responsible for overseeing test activities on the Payload Launch Vehicle Program (PLV).

About a year later I received another promotion as a Systems Engineer, my job title was Lead Mission Integrator for the PLV Program. Both roles were responsible for assuring the health and safety of the launch vehicle from the beginning stages to the end stages of the program. My responsibilities also included supporting launch activities. My primary role was to represent the PLV program at various meetings and reporting status to many high-level government and program leadership. This is the program I have been working for the last 3 years as a Systems Engineer. During this time I received a promotion as a Lead Systems Engineer IPT for the Space Based Infrared Satellite (SBIRS) Program. My primary role is to support Mission Management Activities. This entails understanding the System as a whole and to understand how the Payload, Ground and TT&C interface with the Mission Manger.

**How did the MESA Engineering Program (MEP) help you?**

The MESA Engineering Program has helped shape my career path in so many ways. The job experience and exposure I had during my college years was a tremendous advantage at the start of my career. I am grateful for the opportunity MESA gave me to attend a big job fair with the help of the staff, at which time I landed my first CO-OP position with Abbott Laboratories. MESA also extended their support by helping me compose a resume. This opportunity gave me two years of job experience prior to graduation, which proved to be a great asset to my initial job offer. MESA was also responsible for my landing a job with Lockheed Martin. Aside from my career, MESA also helped me take advantage of several scholarship opportunities that were available to me. This was a great assistance to my college education.

The MESA Program was a great support group and I would recommend to anyone, to take advantage of all the opportunities that MESA has to offer. It's support has proved invaluable.



"Kwajalein Atoll Integrated Flight Test 6". I am the one on the left hand side with the blue tank top. This was taken at the launch site during my support on the Payload Launch Vehicle. In the background is the Missile Interceptor our program built and designed.