

Matthew C. Shuler
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Objective

To secure an internship or co-op in the field of Aerospace Engineering.

Education

University of Central Florida • Orlando, FL (Expected Graduation: May 2017)

Bachelor of Science in Aerospace Engineering • Cumulative GPA: 3.7/4.0

Master of Science in Aerospace Engineering • Cumulative GPA: 3.5/4.0

Hammond School • Columbia, SC • (Graduation: May 2012) • Cumulative GPA: 4.603

Relevant College Coursework

Solid Mechanics • Analysis of Aerospace Structures • Fundamentals of Aerodynamics • Flight Mechanics • Intermediate Dynamics • Orbital Mechanics • High Speed Aerodynamics

Research and Project Experience

Undergraduate Research • Honors in the Major • University of Central Florida • 2015 - 2016
• Dr. Ali P. Gordon

- Worked alongside Dr. Ali P. Gordon on a project titled “A Parametric Study of Meso-Scale Patterns for Auxetic Mechanical Behavior Optimization.”
- Performed in personal background research, FEM work, and data analysis in order to properly optimize the candidate pattern.
- Wrote a thesis and conducted a thesis defense at the end of the program.

Design of a Blended Wing Lifting Body • Senior Design • University of Central Florida • 2015-2016

- Worked in a small team of five people in order to design and build a non-traditional aircraft targeted at a specific mission.
 - Nominated as the propulsions manager, coordinating all work regarding the systems that propel the aircraft.
 - Employed as the personnel coordinator, ensuring that everyone was able to maintain high levels of efficiency during the year.
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Leadership Activities and Interests

Member • **American Institute of Aeronautics and Astronautics (AIAA)** Orlando, FL

Member • **Students for the Exploration and Development of Space (SEDS)** Orlando, FL

Achievements

Burnett Honors College • University of Central Florida • Orlando, FL (2012 - 2016)

Dean's List • University of Central Florida • Orlando, FL (2012 - 2015)

Skills

Proficient in Microsoft Office: MS Word • MS Excel • MS PowerPoint

MATLAB • Mathcad • SolidWorks • Ansys • Cura • Star CCM+ • Siemens NX