Dean Amiel

1641 Martha Terrace, Rockville, MD 20852

301-717-3404 | deanamiel1@gmail.com

**EDUCATION**

**University of Maryland -- Honors College -- Entrepreneurship and Innovation Program**

**A. James Clark School of Engineering College Park, MD**

**Cumulative GPA: 3.944** *Expected Spring 2020*

*Bachelor of Science in Aerospace Engineering*

*Dean’s Scholar*

**Walter Johnson High School Bethesda, MD**

**Cumulative GPA: 4.0** *August 2012 – May 2016*

*APEX Program*

Four year program combining accelerated honors level and intensive advanced placement level course work for academically gifted students

*ACES Program*

Advanced curriculum for excellence in science combines honors level courses and rigorous AP level course to provide talented and motivated students with a broad background in all scientific disciplines

*Awards*

Top 5% Award, President’s Education Award for Outstanding Academic Excellence, Governor’s Merit Scholastic Award, Jim Brawley Excellence in Chemistry, Excellence in Calculus, Excellence in Physics, National Merit Commended Student, National AP Scholar, AP Scholar with Distinction

**LEADERSHIP & PROJECT EXPERIENCE**

**Truss Payload Project**  **College Park, MD**

*Designer**Fall 2016 – Present*

* Work with team to develop a truss able to withstand a load of 500lb to 2500lb
* Calculate internal forces within section members and at joints to develop an optimal truss design
* Construct truss based on design specifications
* Compile the design and construction process in a multiple page technical report (upon completion)

**Aerodynamic Stall Design Project College Park, MD**

*Designer September 2016 – November 2016*

* Collaborated with team to design a wind tunnel prototype
* Constructed wind tunnel prototype applicable for air foil testing and demonstration of aerodynamic stall
* Applied communication and time management skills to complete project in shared work environment

**Math National Honor Society Bethesda, MD**

*President August 2015 – May 2016*

* Elected and served as president of the Walter Johnson chapter of Mu Alpha Theta (Math National Honor Society)
* Lead and coordinated Mu Alpha Theta activities and programs
* Tutored students in all fields of mathematics

**Walter Johnson Mock Trial Team Bethesda, MD**

*Team Captain and Lawyer September 2015 – May 2016*

* Represented school in county wide competitions held at the Montgomery County Circuit Court
* Argued cases in front of a judge and large audience
* Developed detailed arguments and complex questions based on months-long case study

**APEX Senior Capstone Project Bethesda, MD**

*Independent Research September 2015 – January 2016*

* Conducted months of independent research on the future of aviation
* Focused on advancements in sustainable aviation and hypersonic travel
* Project mentored by a Senior Systems Engineer at NASA Goddard Space Flight Center
* Communicated project findings to APEX program coordinators and teachers

**SKILLS, ACTIVITIES & INTERESTS**

**Computer Languages:** Java, MATLAB

**Other Software:** Adobe Photoshop, Microsoft Excel, Microsoft Word, Microsoft PowerPoint

**Organizations**: American Institute of Aeronautics and Astronautics (AIAA), Engineers without Borders

**Languages:** Basic understanding of Spanish and Hebrew

**Hobbies/Interests:** Travel (26 countries), Fitness, Personal Training, Juggling