

Brandon M. Dillinger

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Objective To obtain an internship in Aerospace Engineering for the summer of 2012

Education B.S. in Aerospace Engineering (May 2014)
Minor in Engineering Mechanics
The Pennsylvania State University, University Park, PA
GPA: 3.36/4.00
Major-Related GPA: 3.40/4.00

Relevant Courses

Engineering Design	Multivariable Calculus
Electricity and Magnetism	Statics and Strength of Materials
Catia V5	Differential Equations
Dynamics	Mechanical Response of Materials
Programming with C++	Thermal Science

Computer Skills

☐ Catia V5 ☐ Microsoft Office ☐ Solidworks ☐ C++ ☐ Matlab

Work Experience

Formula SAE Racing Team University Park, PA October 2011-2012

- ☐ Society of Automotive Engineers provides hands-on machining and practical engineering experience to design and build a formula style race car every year to be judged
- ☐ Suspension subsystem team member, where I have machined the wheel inserts for push rods, and tie rods, and other parts for this year's car
- ☐ Enhances team work and establishes new mindset to engineering

Student Space Programs Lab University Park, PA Fall 2010-2012

- ☐ Developed an efficient rocket-mounted payload complete with a soldered circuit board apparatus in order to measure and record various weather conditions
- ☐ As part of the mechanical team I designed the payload for the rocket and produced it using Catia V5 and built the final product using rapid prototyping
- ☐ Rocket is complete with GPS, camera, altimeter, accelerometer, while meeting many other specific design requirements

Construction Ocean City, NJ May 2009- 2011

- ☐ Major hands-on construction and design renovations such as weatherproofing, plumbing, roofing, drywall, siding, flooring, and more
- ☐ Worked 50+ hours a week in the summers enhancing my work ethic
- ☐ Established an innovative mindset and practical experience to solve structural problems

Leadership

- ☐ Engineering Orientation Network Mentor
- ☐ Officer of High School Student Council
- ☐ Attended leadership camps such as PASC Gold and PASC Advanced Gold (Pennsylvania Association of Student Councils)

Activities

Blue and White Society	Mathematics Proctor
Engineering Orientation Network	American Helicopter Society
Formula SAE Team	SSPL (Student Space Programs Lab)