

Matthew Archer Oslin

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Experience	Attitude Control Systems Engineering Intern, NASA Goddard -Designed and prototyped reaction wheels for CubeSats	Greenbelt, MD <i>Summer 2017</i>
	Machine Shop Assistant, UPenn Precision Machining Lab -Part time shop employee, maintained a clean and safe shop, assisted users	Philadelphia, PA <i>Fall 2016 - Spring 2017</i>
	Undergraduate Research Assistant, Modular Robotics Lab -Assisted in research projects under Dr. Mark Yim to design and manufacture reconfigurable robots -Current independent research project developing a low-cost modular robot	Philadelphia, PA <i>Fall 2015 - Spring 2017</i>
	Canoeing Guide, Northern Tier High Adventure -Led weeklong wilderness canoe trips in northern Minnesota and Canada	Ely, MN <i>Summer 2016</i>
	Brandywine Turf Management Inc. -Full time landscaping job	Garnet Valley, PA <i>Summer 2015</i>
	Research Intern, Philadelphia VA Medical Center -Developed a program to calculate distances between patients and care networks	Philadelphia, PA <i>Summer 2013</i>
Education	University of Pennsylvania, School of Engineering and Applied Science Candidate for Bachelor of Science in Engineering Submatriculation candidate for Robotics Master of Science in Engineering Undergrad major in Mechanical Engineering and Applied Mechanics Planned minor in Computer Science Study abroad at the Swiss Federal Institute of Technology in Zurich (ETH) Coursework in Robotics, Computer Science, Manufacturing, Core Mechanical Engineering, and Humanities GPA: 3.97/4.00	Philadelphia, PA <i>May 2019</i> <i>May 2020</i> <i>Fall 2017</i>
	Archmere Academy Graduated Salutatorian	Claymont, DE <i>May 2015</i>
Skills	Java and C, Matlab, embedded coding, PCB design, prototype fabrication, woodworking, 3D CAD design, manual machining and CAM	
Awards	-University Dean's List -Awarded high school Technology and Mathematics Medals -Awarded high school certificates in science, computer science, and German -National Merit Winner -McKinley H. Stevens Memorial Award (local recognition in math and science) -Eagle Scout Award -National Honor Society	<i>July 2016, 2017</i> <i>May 2015</i> <i>May 2015</i> <i>May 2015</i> <i>March 2015</i> <i>May 2014</i> <i>March 2014</i>
Activities	-Penn Band -UPenn Outdoors Club, trip leader -Architects, UPenn hardware hacking club -Penn Electric Racing -DuPont FRC robotics team, head strategist, CAD designer -Archmere FTC robotics team, President, PA and DE state finalists	<i>2015 - Present</i> <i>2015 - Present</i> <i>2015 - Present</i> <i>2016 - 2017</i> <i>2013 - 2015</i> <i>2011 - 2015</i>