

Matthew D. Wilson

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Education	University Of Akron, Akron, OH 8/2014-Present <ul style="list-style-type: none">▪ Candidate for Bachelor of Science, Mechanical Engineering▪ Direct admission to engineering program, with UA Presidential Scholarship▪ Innovation Generation Scholar and Grant recipient
Skills	Software: Microsoft Office Suite, Outlook, Google Docs & Drive, AutoCAD, Autodesk Inventor, Solidworks, NX.10, Teamcenter PLM, MATLAB, Adobe Photoshop, OpenRocket, Lotus Spreadsheet <ul style="list-style-type: none">▪ Additive Manufacturing- 3D Printing with Makerbot Replicator 2X▪ Entry level coding experience with Robot-C natural language, RaspberryPi based python, and MATLAB
Work Experience	Engineering Co-Op, Walk-behind Mower R&D- MTD Products 5/2016-Present <ul style="list-style-type: none">▪ Completed term-length development project “Improve Domestic Bagging Experience”▪ Designed and tested prototype grass bag; which outperformed leading competitor and our own current production models▪ Tested development mower units against leading competitor equivalents; adapted competitor features to our units for data acquisition▪ Updated prints and CAD models to match PPAP updates or current production model Production Intern- Saint Gobain Performance Plastics 2/2016-Present <ul style="list-style-type: none">▪ Rewrote and updated existing International Organization for Standards (ISO) Procedures for Extrusion Department line operation and operator training▪ Accounted for Unsafe Working Condition and “Near Miss” documentation▪ Design and implement line improvement systems to address unsafe work conditions Assistant Manager-Laser Quest Akron 1/2014-2/2016 <ul style="list-style-type: none">▪ Manage and oversee daily operations of business; including customer relations, sales, employee productivity▪ Assist in Human Resources through interview and hiring process, new employee and further additional sales training, and continuous performance management, tracking and further employee development▪ Complete financial operations including nightly POS sales and funds reconciliation, maintaining funds, center financial audits, overseeing 3rd party partner payment for services rendered and assist in staff payroll▪ Complete technical operations including general facility maintenance, retrofitting systems and equipment upkeep Former Laser Quest Crew Member 1/2012- 1/2014
	Research Intern-University of Akron NCERCAMP 6/2013-8/2013 <ul style="list-style-type: none">▪ Studied the corrosion of reinforced steel rebar in porous concrete in varying saline solution concentrations▪ Maintained safe and uncompromised Lab workspace, complied weeks of data and completed full annotated lab research report▪ Presented findings and high school internship experience as a keynote speaker for Akron Chapter ASME engineering E-Week banquet and reception
Activities	Akronaunts Rocket Design Team, The University of Akron <ul style="list-style-type: none">2016- Safety Officer, Research and Development Payloads and Motor Testing15/16- Competition Propulsion System Lead2015- Propulsion & Research and Development system teams2014- Propulsion & Payload system teams