

Professional Experience	<p>RoseHulman Institute of Technology, Terre Haute, IN Independent Undergraduate Researcher, Weaver Grant</p> <p>³, Q Y H V W L J D W L Q J 0 D J Q H W R W D F W L F % D F W H U L</p> <ul style="list-style-type: none"> x Performed literature review and designed experiments x Wrote MATLAB software to analyze the axis of bacteria sensitive to magnet fields to gain insight on little studied microbes <p>National Institute of Standards and Technology Gaithersburg, MD NIST Center for Neutron Research Summer Undergraduate Researcher</p> <p>& R P S R V L W H V ´</p> <ul style="list-style-type: none"> x Used small angle neutron scattering and rheology to determine that particle compactness in nanoparticle polymer composites is inversely proportional to resultant sample viscosity <p>Material Measurement Laboratory, Bioassay Methods Group Summer Undergraduate Research Fellow</p> <p>³ 5 H S U R G X F L E O H 0 X O W L V S H F L H V 0 L F U R E L D C</p> <ul style="list-style-type: none"> x Investigated bacterial growth using metabolic activity assays and R statistical analysis to develop a protocol for growing reproducible, multispecies, microbial biofilms to imitate the human oral environment <p>Material Measurement Laboratory, Bioassay Methods Group Summer High School Intern</p> <ul style="list-style-type: none"> x Characterized pipetting abilities of automated liquid handler with absorbance readings and R statistical analysis to determine experimental pipetting limit for the purpose of culturing bacteria 	<p>Summer 2017</p> <p>Summer 2016</p> <p>Summer 2015</p> <p>Summer 2014</p>
Publications	<p>Forry S, Madonna M, Lopez-Perez D, Lin N, % L R O R J \ \$. Automation of Antimicrobial Activity Screening <i>AMB Express</i> 2016; 6:20. doi:10.1186/s13568-016-0191-2.</p> <p>Br R G, Mead J, % L R O R J \ \$. <i>Quantitative</i> <i>Summation</i> 62MP1.12 mRNA, partial cds., NCBI, Dec 13, 2013. Accession # JZ531476.</p> <p>Bro G, Mead J, % L R O R J \ \$. <i>Quantitative</i> <i>Summation</i> 62AX1.10 mRNA, partial cds., NCBI, Dec 13, 2013. Accession # JZ531369.</p>	
Leadership Experience	<p>Alpha Omicron Pi Sorority, Delta Xi Chapter Social and Activities Chairman</p> <ul style="list-style-type: none"> x Coordinated venue, decoration, and catering for formal events to optimize experience while staying within a limited budget x Initiated social events with multiple campus Greek organizations for the first time in two years to increase positive image within campus Greek community and promote social activities <p>Chapter Treasurer</p> <ul style="list-style-type: none"> x Managed financial situation at a time of fiscal crisis, in which approximate 25% of accounts receivable were a year in arrears and fiscal expenditure lacked internal controls x Negotiated with fraternity governance and members struggling financially to make sure everyone was able to pay their bill 	<p>Feb 2017 ± Present</p> <p>Feb 2016 ± 2017</p>