

## TRICIA LYBROOK

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A project-oriented and engaged Computer Science, Business, and Pre-Medical student achieving honors at the University of Michigan. Activities include progressive participant and leadership roles in community service, research, and club soccer. Professionally interested in the intersection between science, business and technology.

<b>EDUCATION</b>	<b>UNIVERSITY OF MICHIGAN</b> <b>College of Literature, Science, and the Arts</b> Bachelor of Science in Computer Science, Minor in Business, May 2018 GPA: 3.82 Eta Kappa Nu (HKN), Beta Epsilon Chapter	<b>Ann Arbor, MI</b>
<b>EXPERIENCE</b>	<b>WITTKOPP LABORATORY</b>	<b>Ann Arbor, MI</b>
<b>2016-Present</b>	<b>Student Researcher</b> <ul style="list-style-type: none"><li>• Collaborate with a team of researchers focused on studying mechanisms controlling gene regulation.</li><li>• Work to increase the productivity and efficiency of the laboratory by assisting in making the switch to electronic data collection programs.</li></ul>	
<b>2013-Present</b>	<b>FC UNITED SOCCER CLUB</b> <b>Soccer Coach/Administrative Assistant</b> <ul style="list-style-type: none"><li>• Develop and improved youths' soccer skills.</li><li>• Analyzed the effectiveness of the club to expand and assisted in the organization and development of launching the new Titans FC, Development Academy, and FC Hawks programs around the Chicago area.</li></ul>	<b>Northfield, IL</b>
<b>ADDITIONAL</b>	<b>MORPHOMICS RESEARCH PROJECT</b>	<b>Ann Arbor, MI</b>
<b>2016-Present</b>	<b>Research Assistant</b> <ul style="list-style-type: none"><li>• Working with a group of researchers to better understand how human variation in certain organs and body structures can influence health outcomes.</li><li>• Use, write and adjust MATLAB programs to assist in measuring organ size and condition, muscle volume, vascular measures including calcification, lengths and distribution.</li></ul>	
<b>2014-Present</b>	<b>PROGRESSIVE HEALTH PARTNERSHIP</b> <b>Undergraduate Branch Founder and Board Member</b> <ul style="list-style-type: none"><li>• Founded the Undergraduate Branch affiliated with the future-oriented NGO, Progressive Health Partnership, which donates all profits to the NGO PHP cause to eradicate the inexcusable inequalities regarding maternal health in Uganda.</li></ul>	<b>Ann Arbor, MI</b>
<b>2014-Present</b>	<b>WOMEN'S CLUB SOCCER</b> <b>Board Member</b> <ul style="list-style-type: none"><li>• Participate in board meetings where club fundraising, apparel orders, transportation and organization are discussed and analyzed.</li><li>• Piloted team to a National Championship in 2014 and Final Four finish in 2015.</li></ul>	<b>Ann Arbor, MI</b>
<b>2014-Present</b>	<b>PROJECT TEACH</b> <b>Volunteer</b> <ul style="list-style-type: none"><li>• Providing imaginative recreational education to pediatric patients at C.S. Mott Children's Hospital. Develop ideas for modules, configure practical designs and implement the modules for novel seeking patients and their siblings.</li></ul>	<b>Ann Arbor, MI</b>
<b>2014-2016</b>	<b>FRAILITY IN LIVER TRANSPLANTATION</b> <b>Student Researcher</b> <ul style="list-style-type: none"><li>• Cooperate with a small group of researchers to study if frailty can be used to measure Post-Transplant outcomes in Transplant patients.</li><li>• Individually interview patients in clinic and work with Transplant surgeons to analyze the collected data, contributed to over fifty percent of the data collected in the project.</li></ul>	<b>Ann Arbor, MI</b>
<b>SKILLS</b>	<b>C++, Python, familiar with MATLAB and C, Teamwork, Research, Volunteering, Creativity, Proficient in Microsoft Office Applications: Excel, Word, and PowerPoint</b>	
<b>INTERESTS</b>	<b>Soccer, Music, Biking, Hiking, Community Outreach, Coding, Traveling</b>	