

# Davis Roeser

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|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Experience            | Undergraduate Research Intern, MSU<br>East Lansing, MI                                                                                                                                                                                                                                                                                                                  | May 2016-Present                  |
|                       | <ul style="list-style-type: none"> <li>Installed and monitored soil moisture sensors in agricultural fields</li> <li>Collected core soil samples and conducted pressure plate experimentation to determine soil properties</li> <li>Compiled evapotranspiration and rainfall data from automated weather stations for comparison to moisture sensor readings</li> </ul> |                                   |
|                       | Advanced Development Intern, SRG Global<br>Warren, MI                                                                                                                                                                                                                                                                                                                   | May 2015-august 2015              |
|                       | <ul style="list-style-type: none"> <li>Conducted alternative material testing on varying polymers for use in Active Grille System</li> <li>Analyzed strengths and weaknesses of competitive designs through deconstruction and reconstruction</li> <li>Cooperated as a team to form creative solutions to obstacles encountered during testing</li> </ul>               |                                   |
|                       | Greencoat, MSU Police Department<br>East Lansing, MI                                                                                                                                                                                                                                                                                                                    | August 2014-october 2015          |
|                       | <ul style="list-style-type: none"> <li>Organized and educate visitors regarding campus policies and events</li> <li>Secured university events ensuring authorized visitors and a safe environment</li> </ul>                                                                                                                                                            |                                   |
|                       | Lifeguard, Oakland County Parks and Recreation<br>Holly, MI                                                                                                                                                                                                                                                                                                             | May 2014-August 2014              |
|                       | <ul style="list-style-type: none"> <li>Rescued distressed swimmers, using skilled rescue techniques and equipment</li> <li>Coordinated emergency medical personnel in serious injury incidents</li> </ul>                                                                                                                                                               |                                   |
| Education             | Bachelor's Degree of Science, Biosystems Engineering<br>Michigan State University, East Lansing, MI                                                                                                                                                                                                                                                                     | Expected May 2017                 |
|                       | 3.42/4.00 GPA                                                                                                                                                                                                                                                                                                                                                           |                                   |
|                       | Relevant Courses: Water Resource Systems Analysis, Biosystems Design Techniques, Biomass Conversion Engineering, Agricultural Ecology                                                                                                                                                                                                                                   |                                   |
|                       | High School Diploma<br>Walled Lake Central, Walled Lake, MI                                                                                                                                                                                                                                                                                                             | June 2013                         |
|                       | 4.0 GPA (un-weighted); 4.2 GPA (weighted)                                                                                                                                                                                                                                                                                                                               |                                   |
| Honors and Activities | Dean's List Michigan State University                                                                                                                                                                                                                                                                                                                                   | Fall 2013, Fall 2014, Spring 2016 |
|                       | Captain: Walled Lake Central Swimming Varsity Team                                                                                                                                                                                                                                                                                                                      | 2012, 2013                        |
|                       | Captain: Walled Lake Central Water Polo Varsity Team                                                                                                                                                                                                                                                                                                                    | 2012, 2013                        |
|                       | Volunteer: Rebuilding Together Oakland County                                                                                                                                                                                                                                                                                                                           |                                   |
|                       | Volunteer: Team Effort (Home Repair USA)                                                                                                                                                                                                                                                                                                                                |                                   |
| Skills                | <ul style="list-style-type: none"> <li>Proficient in Microsoft Office Suite: Word, Excel, PowerPoint, Access; knowledgeable in MatLab and Farmworks</li> <li>Proficient in use of environmental testing chambers</li> <li>Experienced in use of pressure plate chambers, soil core samplers, and dye injection for drip irrigation</li> </ul>                           |                                   |