

**Salvatore Skare**  
**McNair Scholar, University of Wisconsin – La Crosse**  
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<b>Education</b>	<i>Bachelor of Science</i> University of Wisconsin – La Crosse, La Crosse, WI, expected December 2019 Concentration: Computer Science Minor: Physics with an emphasis in Astronomy
<b>Relevant Skills and Coursework</b>	<i>Courses:</i> <ul style="list-style-type: none"><li>• Machine learning, covered decision trees, SVMs, k-means, neural networks, CNNs, Q-learning, MDPs, and POMDPs</li><li>• Microcontrollers, covered electrical design, digital logic, communication protocols, circuit board design and assembly, microcontroller programming</li><li>• Robotics, covered hierarchical and reactive control flow paradigms, map representation, computer vision, and kinematics</li></ul> <i>Skills:</i> <ul style="list-style-type: none"><li>• Extensive experience RNNs, CNNs, and the TensorFlow framework</li><li>• Experience with genetic algorithms</li><li>• Extensive experience with web development, both LAMP and C#/MSSQL</li><li>• Familiarity with parallel computing, using OpenMPI</li><li>• Advanced knowledge of Unix-like operating systems</li><li>• Written extensively in C, C#, Java, PHP, Python, and JavaScript</li></ul>
<b>Research Experience</b>	<i>Using a Recurrent Neural Network and Articulatory Synthesis to Accurately Model Speech Output</i> Spring 2018 – Fall 2019 <b>Undergraduate Research with Professor A. Saupé</b> <ul style="list-style-type: none"><li>• Secured \$11,000 in funding</li><li>• Was awarded the Dean's Distinguished Fellow's grant</li><li>• Presented poster at the 2018 University of Wisconsin – La Crosse School of Science and Health Summer Undergraduate Research Symposium</li><li>• Presented a short talk at the 2018 University of Wisconsin – La Crosse WiSys Quick Pitch Competition and won an award for best short talk</li><li>• Presented a talk at the 2019 Midwest Instruction and Computer Symposium and published in the <a href="#">conference proceedings</a></li><li>• Presented a talk at the 2019 National Conference of Undergraduate Research conference published in the <a href="#">conference proceedings</a></li></ul>
<b>Relevant Work Experience</b>	<i>Web Developer</i> Fall 2016 – Present <b>University of Wisconsin – La Crosse Communications Department</b> <ul style="list-style-type: none"><li>• In charge of adding features to and maintaining <a href="https://www.uwlax.edu">https://www.uwlax.edu</a></li><li>• Worked closely with a diverse team of professionals</li><li>• Re-designed internal tooling to increase performance and remove code redundancy</li></ul>
<b>Extra-curricular Activities and Hobbies</b>	Volunteered as web-developer/administrator for NAMI northwoods chapter Competed in the International Collegiate Programming Contest Amateur Herpetologist Designing and building IoT devices for personal use Maintaining a small home-lab with web server, DNS, DHCP, and network storage