

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