

Salvatore Skare
Software Developer, University of Wisconsin – La Crosse
331-725-7520 (salskare@gmail.com)
<https://salskare.ml>

Education	<i>Bachelor of Science</i> University of Wisconsin - La Crosse, December 2019 Concentration: Computer Science Minor: Physics with an emphasis in Astronomy
Relevant Skills and Experience	<ul style="list-style-type: none">• Written extensively in C, C#, Java, PHP, Python, JavaScript, and TypeScript• Extensive experience with backend web development, including Python/Flask, LAMP and C#/MSSQL stacks• Experience with frontend development using JavaScript, Typescript, JQuery, and Angular• Experience with Optimizely EpiServer CMS software• Advanced knowledge of Unix-like operating systems• Familiar with with parallel computing, using OpenMPI• Familiar with modern machine learning technologies and frameworks• Experience with circuit design and fabrication, as well as low-level microcontroller programming.
Work Experience	<div><div><i>Full Stack Web Developer</i>Fall 2016 – Present</div><div>University of Wisconsin – La Crosse<ul style="list-style-type: none">• In charge of adding features to and maintaining https://www.uwlax.edu, as well as internal web-based tools• Worked closely with a diverse team of professionals• Re-designed internal tooling to increase performance and remove code redundancy• Built a blogging plugin for Optimizely EpiServer with JavaScript based templating engine• Designed and wrote custom system monitoring tool using a Flask API and Angular frontend</div><div><i>Computer Science TA</i>Fall 2020 – Spring 2021</div><div>University of Wisconsin – Madison<ul style="list-style-type: none">• Assisted in teaching students in CS 252 - Introduction to Computer Engineering• Designed quiz/exam questions, held office hours and graded student assignments</div></div>
Research Experience	<div><div><i>Using a Recurrent Neural Network and Articulatory Synthesis to Accurately Model Speech Output</i>Spring 2018 – Fall 2019</div><div>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 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</div></div>
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 Amateur robotics enthusiast Maintaining a small home-lab with web server, DNS, DHCP, and network storage