Salvatore Skare

Software Research Engineer, GrammaTech

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https://salskare.ml

Education

Bachelor of Science
University of Wisconsin - La Crosse, December 2019
Concentration: Computer Science
Minor: Physics with an emphasis in Astronomy

Relevant Skills and Experience

- 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
- Experience with Docker, including multi-container orchestration
- 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

Software Research Engineer 2022 – Present
GrammaTech

- Worked on various research projects for GrammaTech's research department.

Full Stack Web Developer Fall 2016 – 2021
University of Wisconsin – La Crosse

- 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

Computer Science TA Fall 2020 – Spring 2021
University of Wisconsin – Madison

- Assisted in teaching students in CS 252 - Introduction to Computer Engineering
- Designed quiz/exam questions, held office hours and graded student assignments

Research Experience

Using a Recurrent Neural Network and Articulatory Synthesis to Accurately Model Speech Output Spring 2018 – Fall 2019
Undergraduate Research with Professor A. Sauppé

- 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

Extra-curricular Activities and Hobbies

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