Shane Warga

Graduate Student - Computer Engineering - Washington University in St. Louis

@ ShaneWarga@wustl.edu   📞 +1 (203) 560-9492   📍 St. Louis, Missouri

Education

Master Of Science, Computer Engineering
Washington University in St. Louis

📅 Aug 2019 – Dec 2021   📍 St. Louis, Missouri

Bachelor of Arts, Physics
Hendrix College

📅 Aug 2015 – May 2019   📍 Conway, Arkansas

Experience

Washington University in St. Louis Racing Team
Electronics and Data Acquisition Team Lead

📅 Aug 2019 - Dec 2021   📍 St. Louis, Missouri

- Designed filtered ground system to reduce electrical signal noise allowing for more accurate sensor data
- Maintained and developed online systems such as Jira, Confluence, and our custom data acquisition system

Ameren Digital Innovation Internship
Digital Service Management

📅 June 2021 - Aug 2021   📍 St. Louis, Missouri

- Worked as a part of the Digital Service Management Scrum team enhancing and maintaining ServiceNow
- Developed new features, performed quality insurance testing, and managed requests from product owners and end users

Wireless Sensor Data Over LTE In Formula Vehicles
Student Researcher

📅 Jan 2021 - December 2021   📍 St. Louis, Missouri

- Full stack IoT research project extended from WashU Racing designing a custom 26 sensor network transmitting data over LTE
- Sensor network included custom PCBs, drivers, and specialized microcontrollers
- Catalogued, displayed, and analyzed data on a full stack web application that leverages cloud computing to serve end users

Robotics Odyssey
Student Researcher

📅 May 2017 - May 2019   📍 Conway, Arkansas

- Assisted developing robotics curriculum for Hendrix College
- Designed hardware, software, and a custom 3D printed chassis with $50 cost constraint

Areas of Interest

- Concurrent/Distributive Systems
- Design Paradigms
- Optimization
- Full Stack Web Development

Skills

- Parallel and Concurrent Computing
- Mathematical Modeling
- Problem Solving
- Interpersonal Communication
- Team Building

Languages/Frameworks

- C/C++
- Java
- Python
- React, Flask, SQL Stack
- Git, version control
- Latex
- Bash Scripting

Leisure Activity

- Ultimate Frisbee
- Game Development

References

Mike Kovach
Supervisor IT Infrastructure, Ameren

- 📞 +1 (314) 554-3766
- @ michaelkovach64@gmail.com

Dennis Cosgrove
Professor of Practice, WUSTL

- 📞 +1 (314) 935-5876
- @ cosgroved@wustl.edu

Dr. Ann M. Wright
Chair, Physics Department, Hendrix College

- 📞 +1 (501) 450-3808
- @ wright@hendrix.edu