## REU Site: Hardware, Embedded Software, and Analytics for Environment Quality Monitoring

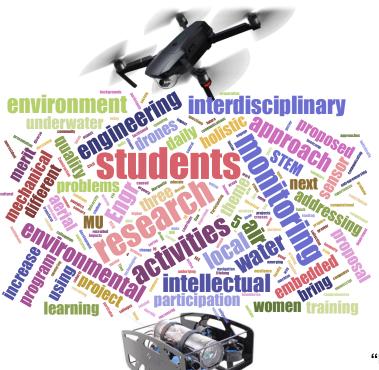
June 5 - August 11, 2023

Apply by email: <a href="mailto:cristinel.ababei@marquette.edu">cristinel.ababei@marquette.edu</a> and <a href="mailto:majeed.hayat@marquette.edu">majeed.hayat@marquette.edu</a>

## **Testimonials:**

"I liked the relationships I was able to form with my adviser and other students"

"I liked working with a PhD student"
"I liked boat tour and the Harley-Davidson museum!"



- Underwater drones
- Hull design, 3D printing
- · MEMS sensors water, air
- Fireworks pollution air
- · Soot modeling, monitoring
- Hyperspectral aerial imagery
- Algal bloom monitoring with drones
- Water quality via anaerobic biotechnology
- Catchment hydrology and water quality
- Wireless link budget models
- Spectrometer for environment monitoring
- Forecasting for clean environment

## **Testimonials:**

"I liked getting to know the other students"
"I liked the grad school seminar"
"I liked the machine learning online tutorial"

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