



SUMMER 2022: RESEARCH EXPERIENCE FOR UNDERGRADUATES

Advancing High-Performance Computing Opportunities in Undergraduate Research at UW-Eau Claire to Meet Challenges of Multidisciplinary Computational Science

Areas of Research

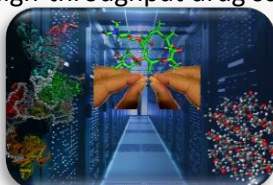
Computer Science

Machine learning & social media
Deep learning & computer vision



Chemistry & Biochemistry

Quantum chemical simulations
Modeling protein dynamics
High-throughput drug screening



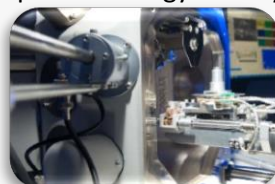
Geography & GIS

UAV-based image analysis



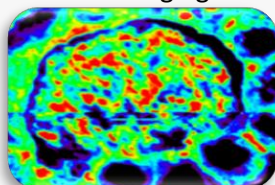
Materials Science

Li-ion simulation models for improved energy density



Biomedical Engineering

Laser-based IR spectroscopic imaging



Physics

Computational stellar astrophysics



Program Dates:

June 6 – August 12, 2022 (10 weeks)

Deadline for Application:

March 18, 2022

Program Highlights:

- \$6000 in summer stipend
- Free on-campus housing and meals
- Travel allowance
- Group activities and tours
- Professional development



Eligibility:

Enrolled college students who are US citizens or permanent residents.

Applicants from underrepresented minority groups, women, and first-generation college students are especially encouraged to apply.

For more information, visit:

<https://www.uwec.edu/academics/college-arts-sciences/nsf-reu/apply/>

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