Michigan Technological University
Computer Science

Highlights 2020-2021

Faculty

    19 Tenure-track/Tenured
    3 Lecturer Track

Enrollments – Fall 2020

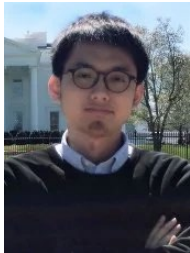| Computer Science	BS	443
	MS	30
	PhD	26
Software Engineering	BS	96
Cybersecurity	MS	6

New Faculty

Briana Bettin
Assistant Professor

Areas of Expertise:
- User experience
- Human factors
- Education, engagement, retention

Junqiao Qiu
Assistant Professor

Areas of Expertise:
- Parallel computing
- Programming systems
- Compiler optimization

Leo Ureel
Assistant Professor

Areas of Expertise:
- Software engineering
- Computer science education
- Intelligent tutoring systems

Student Highlights

In Spring 2021 NCL cybersecurity competition, the MTU RedTeam completed 100% of the challenges earning a 3rd place in the team game, out of 922 teams from hundreds of universities across the US.

A team of MTU students qualified for the ICPC North America Division Championships.

Recognitions

J. Walker, S. Carr, A. Radwan, Y. Hu, Y. Cheng, J. Mayo, and CK Shene, "A Visualization for Teaching Integer Coercion," one of three Best Poster Awards at 26th Annual Conference on Innovation and Technology in Computer Science Education (ITiCSE).

N. Chen, B. Chen, W. Shi, "MobiWear: A Plausibly Deniable Encryption System for Wearable Mobile Devices," Best Paper Award at The First EAI International Conference on Applied Cryptography in Computer and Communications (EAI AC3 2021).

Funding Highlights

Cai, Y., Arney, T., Mayo, J., Ten, C., Chen, B., *CyberCorps: Scholarship for Service Program at Michigan Tech*, NSF.

Barnard, A., Brown, L., Cai, Y., Havens, T., *ONR STEM ROTC Cyber Education Initiate*, US DoD.

Wallace, C., Ureel II, L., Havens, T., Barnard, A., *Redesign and Implementation of USDS Proxy Language-Phase II*, ARiA.

Havens, T., Barnard, A., Shankara, G., Meadows, G., *DURIP: Acoustic Sensing System and High-Throughout Computing for Environment and Threat*, US DoD.

Oommen, T., Havens, T., Meadows, G. *SCC-CIVIC-PG Track B: Helping Rural Counties to Enhance Flooding and Coastal Disaster Resilience and Adaption*, NSF.

Pastel, R., Morgan, C., *ENTERPRISE: Real Time Strategy Game for Military Commanders*, National Center for the Advancement of STEM Education.

Hatti, N., Walker, J., Morgan, C*., ENTERPRISE: Interactive Website Design for Multiple Hospitality Venues*, Destination Calumet LLC.

Qiu, J., *CRII: SHF: GPU-accelerated FSM computations with advanced speculation*, NSF.

http://www.mtu.edu/cs