Quantum Machine Learning Algorithm Design and Implementation

2026 Summer REU Program

Applications Due March 14, 2026

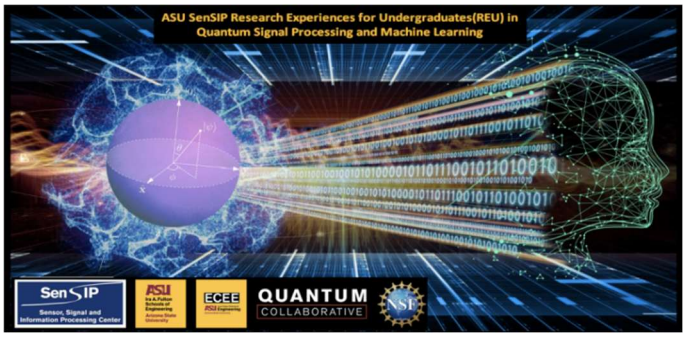
Research Experience for Undergraduates (REU)

Arizona State University
May 18 to July 10, 2026

We are seeking innovative, engineering and science undergraduate students in the disciplines of quantum computing, machine learning, AI, quantum information processing, or related areas, to participate in this paid 8-week summer program. This Research Experience for Undergraduates (REU) program will immerse REU participants in technical research and expose them to the graduate school experience. A broad scope of projects is available, and an effort will be made to match student interests with the different projects. We invite undergraduate students to apply.

Program Benefits

- Mentorship by Research Faculty and Education Specialists
- Bootcamp in Quantum Signal Processing & Machine Learning
- Access to Quantum Simulation Facilities
- Presentations and Research Seminars
- Professional Development Modules
- Presentations to Industry and Faculty
- Networking with other summer program participants
- Cohort Building Social Meetings
- Visits to Advanced Research Facilities
- Co-authoring Research Papers with Faculty
- $5,600 Stipend to Students
- Travel/lodging support available for non-local participants



Program Eligibility

- U.S. citizen or permanent resident
- Currently attending U.S. community college or university
- Ability to work 40 hours per week for the entire program
- Students with disabilities, veterans, and those from traditionally underrepresented groups in STEM are encouraged to apply
- Must be planning to enroll as a sophomore, junior, or senior college-level student in Fall 2026

Program Application

To apply, complete the common application by **March 14, 2026,** using the link: https://tinyurl.com/26QMLREUetap

The application will require:
1) general REU application (can be used for multiple REU sites); 2) program specific REU questions; 3) personal statement; 4) Resume; 5) unofficial transcript(s) from all institutions attended; and 6) contact information for one reference.

More information can be found at: http://tinyurl.com/2026QMLREU

Send questions to: sensip@asu.edu

REU Site Leadership

Andreas Spanias (PI)
Professor | ECEE
Director | SenSIP center

Jean Larson (Co-PI)
Assoc. Research Professor | SEBE
Assoc. Director | Learning & Teaching Hub

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