National Science Foundation Research Traineeship Program
Trainees advance their cross-disciplinary breadth in human-sensing AI systems, depth in relevant science, technology and advanced research skills, and holistic diversity and inclusion competency.

AWARE-AI Trainees experience convergent AI research guided by accomplished faculty in cross-disciplinary research tracks and carefully curated and career-enhancing activities that directly address skill gaps in graduate AI curricula.

Application due date March 1
CV, application form, two letters (one from advisor), and a cover letter with your motivation and research-training plan outline.

apply at rit.edu/nrtai
AWARE-AI
NSF Research Traineeship

Rochester Institute of Technology

Research Tracks

Software
Trainees investigate machine learning innovations and how to develop AI systems capable of processing multimodal streams of information over time as flexibly as a human.

Hardware
Trainees advance human-robot collaboration and AI on the edge to achieve human trust in automation, and continual machine learning on robotic systems.

Human-computer interaction
Trainees evaluate the needs of older adults with hearing loss in regard to speech technology and develop and assess AI prototype systems.

Cognitive modeling
Trainees investigate human cognitive states and assess AI system reliability, focusing on understudied populations of AI users across the human lifespan or with disabilities.

Eligible On-Campus
RIT Graduate Programs

Ph.D. programs:
- Biomedical & Chemical Engineering
- Computing & Information Sciences
- Electrical & Computer Engineering
- Imaging Science
- Mathematical Modeling
- Mechanical & Industrial Engineering

MS programs:
- Computer Engineering
- Computer Science
- Data Science
- Electrical Engineering
- Experimental Psychology
- Human-Computer Interaction
- Information Technology & Analytics

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- Computer Science
- Data Science
- Electrical Engineering
- Experimental Psychology
- Human-Computer Interaction
- Information Technology & Analytics

Diversity & Inclusion
The AWARE-AI NRT Program is committed to training an inclusive and diverse AI scientific workforce. Women, Deaf and Hard-of-Hearing, and African American, Latino/a American, or Native American graduate students are especially encouraged to apply.

Contact Information

AWARE-AI NRT Director
Cecilia Alm, Ph.D.

Admissions Contact
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rit.edu/nrtai

Learn More

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