
Paths to Opportunities

A monthly update from *Winds of Change* for pre-college, college, and graduate students



MARCH 2018

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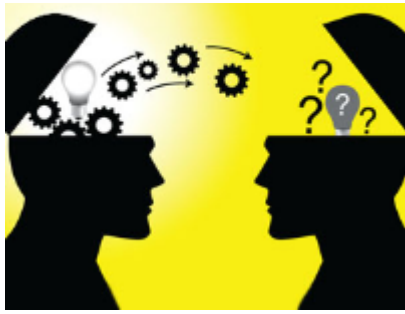
HOW TO FIND A GREAT MENTOR — AND BE A GREAT MENTEE



Sometimes success is all about who you know. So it makes sense that the more people you know, the more opportunities

NEWS FROM AISES

[Intel Growing the Legacy](#)



you will have — and that means going beyond your immediate circle of family and friends to build an academic and professional network. One of the most important components of establishing a solid network is finding a mentor. A good mentor can guide and support you on your academic and career paths, and can be instrumental in helping you

create your professional brand. But what exactly is a mentor, and how do you find one?

A mentor is someone who typically has more extensive skills, experience, and wisdom than you do. The mentor's role is to help you develop and grow both professionally and personally, so typically your mentor will work in a field similar to the one where you currently work or are looking to work or to advance. Finding a good mentor takes time and perseverance, but if you're willing to put in the effort, the benefits are well worth it. [READ MORE](#)



ON TOPIC

Chelsea Chee, New Mexico EPSCoR



Chelsea Chee is a diversity and inclusion coordinator at New Mexico's Established Program to Stimulate

Scholarship Program

Includes financial support, mentorship, paid internship opportunities, and, upon graduation, employment opportunities with Intel. Scholarship amounts are \$5,000 for undergraduate students and \$10,000 for graduate students.

AISES Scholarships

Amounts range from \$1,000 to \$5,000. Apply by March 31.

2018 AISES Regional Conferences

These gatherings provide an opportunity for AISES student and professional members to share information, form partnerships, and network.

- **Region 1:**
April 7–8,
Portland State University
- **Region 2:**
April 13–14,
University of California, Irvine
- **Region 3:**
April 13–14,



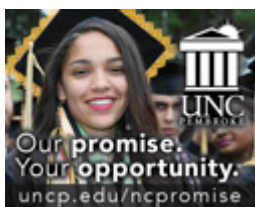
Competitive Research (EPSCoR). She earned her BS in environmental science from the University of Arizona, followed by a dual master's degree in community and regional planning and public administration from the University of New Mexico. Chee is actively involved in her community and serves as the director of community at Etkie, a social enterprise that provides financial stability for Native American artisans through the design of luxury accessories. Here she answers several questions on mentoring and suggests ways mentees can make the most of their relationship with a mentor.

What is mentoring? What does it mean to be a mentor?

There is a lot written on mentoring. Through my research, I connected with the following concepts because they recognize that mentorship is a partnership — each person brings something to the table, and both are unique with their own life paths: Mentoring is a power-free partnership between two individuals who want mutual growth and requires perseverance. One of the individuals usually has greater skills, experiences, and wisdom to share. Mentoring concentrates on the needs of the one being mentored, not on the agenda of the mentor.

Why should someone have a mentor?

Sometimes in life we come to a crossroads or a huge mountain or don't have a map. Mentors can help guide us toward the best path(s) to move us forward. They can provide a different way to look at an issue, ask tough questions, provide options that we may not even think of, and support our decisions. Most mentors have a valuable network of resources and people they have spent time to assemble, and they can share it with you. Mentors can also help us be more productive and accomplish our goals faster. [READ MORE](#)



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University of
Arizona,
Tucson

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Membership Drive
Ends March 31

Take advantage of deeply discounted rates: pre-college, free; college, \$5; professional, \$25; retiree, \$15.



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PRE-COLLEGE OPPORTUNITIES

[Native American Science and Engineering Program \(NASEP\), University of Arizona](#)

NASEP is a year-long program designed to provide Native American high school students with a vision of a career in a science, technology, engineering, or mathematics (STEM) field; connect students with academic professionals and industry representatives from STEM-related interests; and catalyze each student's motivation to complete chemistry, physics, and pre-calculus before graduating from high school.

[Emerging Tribal Writer Award](#)

In 2013, South Dakota State University established the Great Plains Emerging Tribal Writer Award to encourage the development of American Indian writers who are in the early phases of their writing careers. This award allows aspiring tribal writers to share their stories, culture, and heritage with a larger audience for the first time.

SAVE THE DATE

[AISES Scholarship
Event: Arizona
State University](#)
March 21

[AISES Scholarship
Event: University
of Arizona](#)
March 22

[2018 AISES
National
Conference](#)
Oct. 4–6
Oklahoma City

RESOURCES FOR AISES MEMBERS

Members of each AISES advisory council are willing to mentor AISES members. Specifically, the [Council of Elders](#), to be featured in the spring issue of *Winds of Change*, can be a great resource for students in search of guidance.



[Effect Positive Change Worldwide](#)

At the U.S. Department of State, it's the diversity of our employees that drives progress and advances diplomacy and why we're committed to increasing diversity in our workforce. Consider a public service career and discover intellectual challenges and new opportunities abroad that will contribute to this change. Visit careers.state.gov.

UNDERGRADUATE OPPORTUNITIES

[EPA Region 8 2018 Student Volunteer Internship Opportunities](#)

The U.S. Environmental Protection Agency (EPA) in downtown Denver is currently seeking students to fill summer internship positions.

[Interdisciplinary Research Experience in Hyperspectral Imaging \(IDREHSI\)](#)

The goal of the IDREHSI program is to introduce young scientists to a highly interdisciplinary research environment with fundamental and applied research in hyperspectral imaging (HI). HI is widely used in various disciplines, such as physics, geology, environmental science, biology, chemistry, computer science, forestry, and geographic information science (GIS).

[Minority Student Scholarships: The Geological Society of America \(GSA\)](#)

The \$1,500 scholarships are awarded to six undergraduate students from minority backgrounds. Awardees will also receive complimentary GSA student membership and meeting registration for this year's GSA Annual Meeting.

[Jere W. Thompson Jr. Civil Engineering Scholarship](#)

This program was established by the North Texas Tollway Authority and a group of North Texas businesses to provide scholarships to disadvantaged students in civil engineering and closely related disciplines at Texas colleges and universities.

[SAIGE Announces Youth Program at 15th Annual National Training Program](#)

The Society of American Indian Government Employees (SAIGE) invites and funds a select group of Native youth who are interested in work in government to attend the National Training Conference as a part of its Youth Track Program. Please follow the link above to learn more and apply to attend the conference this June! The deadline is April 30.

[WholeTale Summer Internship Program 2018](#)

The act of sharing scientific knowledge is rapidly evolving away from traditional articles and presentations to the delivery of executable objects that integrate the data and computational details (e.g., scripts and workflows) upon which the findings rely.

[Nominations Sought: GeoCUR Undergraduate Research Mentor Award](#)

The Geosciences Division of the Council on Undergraduate Research (GeoCUR) is now accepting nominations for its annual award that

As always, **[AISES College Chapters](#)** provide ways for aspiring mentors and mentees to get involved.

Aspiring faculty members can take advantage of the **[Lighting the Pathway to Faculty Careers for Natives in STEM](#)** program for mentorship opportunities.

The annual AISES **[Leadership Summit and National Conference](#)** offer networking opportunities for Native students interested in pursuing STEM careers.

Find pointers for **[creating connections that count](#)** and **[partnering for success](#)** in the *Winds of Change Career Guide and Academic and Professional Development Guide*.

ONLINE RESOURCES

- **[How to Find a Great](#)**

highlights the importance of mentoring undergraduate research activities.

Neurotechnologies to Help the Body Move, Heal, and Feel Again

Interested in gaining research experience in engineering? Spend 10 weeks this summer performing research in emergent neurotechnologies to help people with disabilities in the Cullen College of Engineering at the University of Houston — and earn a \$5,000 stipend!

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Big Ideas Wanted for Global Construction Challenge

The COINS Grand Challenge is a global competition to uncover engineers whose ideas could improve the built environment. Prizes include business investment (\$100K+), R&D funding, paid internships, and much more! The COINS Grand Challenge is looking for ideas that will bring a new approach to the construction industry.



Experience the Power of I.

Paleoclimatologist Kathleen Johnson, associate professor of Earth System Science at UCI, studies the relationship between cave deposits and climate. A member of the Grand Traverse Band of Ottawa and Chippewa Indians, she educates Native American youth on environmental and natural resource issues affecting tribal lands. Experience the Power of I. uci.edu

Mentor — First, Don't Ever Ask a Stranger

- **Looking for a Mentor? The 7 Best Places to Start**
- **Need a Good Mentor? Here's How to Find One**
- **12 Keys to Being a Super Mentee (the Kind of Mentee Every Mentor Loves)**
- **How to Be a Great Mentee — 10 Simple Steps**
- **What Mentors Wish Their Mentees Knew**

GRADUATE/POSTDOC OPPORTUNITIES

Summer Research Training Institute for American Indian and Alaska Native Health Professionals

Our curriculum is designed to meet the needs of professionals who work in diverse areas of American Indian and Alaska Native health.

Tribal Climate Science Liaison

Conduct outreach to tribal communities within the Southwest Climate Science Center (SW CSC) service area to inform them of the climate science and adaptation resources available from the SW CSC and its partners through interactions with tribal government departments, NGOs, tribal colleges and schools, and individuals involved in climate adaptation work.

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Join the North American Youth Innovation Challenge Community

Submit your bold idea for the chance to receive C\$5,000 in seed funding and present your innovation to North America's top environmental officials in Oklahoma City this summer.



Winds of Change
magazine

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AMERICAN INDIAN SCIENCE AND ENGINEERING SOCIETY

OUR MISSION: The American Indian Science and Engineering Society (AISES) is a national nonprofit organization focused on substantially increasing the representation of American Indians, Alaska Natives, Native Hawaiians, Pacific Islanders, First Nations, and other Indigenous peoples of North America in science, technology, engineering, and math (STEM) studies and careers.

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