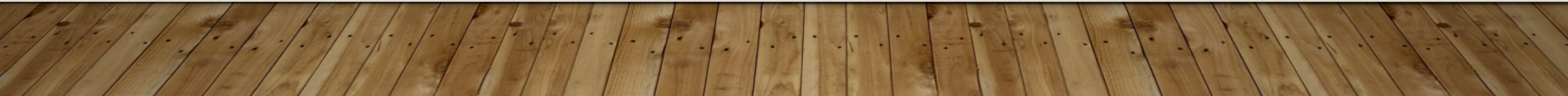


NATIVES IN S.T.E.M.AND OTHER PROFESSIONAL INDUSTRIES

BY: RANDALL CROWE



LEE ADOLF

- LEADER
- VETERAN
- MENTOR
- TERO PIONEER
- FAMILY MAN
- PROUD NATIVE



ABOUT ME.

- Born and raised on the Rez in Cherokee, North Carolina.
- Enrolled member of the Eastern Band of Cherokee Indians.



ABOUT ME CONTINUED...

- I joined the Navy at 18.
- I served as an aviation ordnanceman on the USS Enterprise flight deck.
- Deployed to Persian Gulf in 2007.



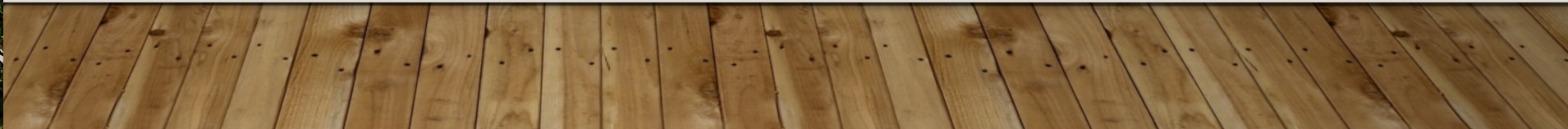
ABOUT ME CONTINUED...

- Hardcore hunter & fishing fanatic.



ABOUT ME CONTINUED...

- Father of Maroc (2 1/2) and Waylon (6)



ABOUT ME FINALLY OVER!

- Started Crowe Law, PLLC over 6 years ago.
- Focus on TERO.



SO WHAT IS STEM?

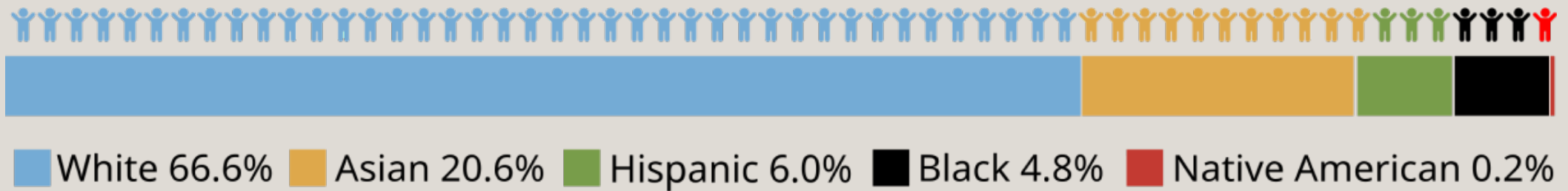
- Science
- Technology
- Engineering
- Mathematics
- Computer Sciences

WHY IS IT IMPORTANT FOR NATIVES TO GET IN TO STEM AND OTHER PROFESSIONAL SERVICES?

- Self Sufficiency
- Have a say in how the future looks.
- Strong local economies
- Increased prosperity
- It is important to ensure our religious and cultural freedoms.
- Gives us the power to defend our gaming rights.



CURRENT STEM DEMOGRAPHICS IN THE US



<https://www.sacnas.org/mission-impact>

ECONOMIC DEVELOPMENT ADMINISTRATION (EDA) PROGRAMS BY THE DEPARTMENT OF COMMERCE

- IN 2022 EDA completed the distribution of \$100 million in funding through the [Indigenous Communities program](#), a major investment initiative created to support Tribal governments and related organizations as they design and execute economic development projects to build economies for the future, including the creation of opportunities for Native American innovators seeking seek good-paying jobs in STEM fields.
- Backed by EDA funding, the Standing Rock Renewable Energy Authority is planning, evaluating, and designing the [Anpetu Wi Wind Farm](#). This project will help diversify the local economy and increase energy independence for this Tribal community.

RTX RAIN BY RAYTHEON

RTX RAIN champions Indigenous causes and drives positive change for the company's Indigenous community. Dedicated to inspiring the next generation of "Indigineers," RTX RAIN helps employees build professional and personal connections and gain leadership experience at all levels of the company.



THE S.T.E.A.M ENGINE

- The STEAM Engine brings these STEAM-enriched programs to school and after-school programs across the Oklahoma City metro through our community-based partner sites. As of the 2023-24 school year, we are working with more than 150 students per week at 7 locations across the OKC metro
- Gets kids interested and involved with STEM at in 4th and 5th grades.
- Program can be imitated on our reservations.

AISES

- Founded in 1977
- The American Indian Science and Engineering Society (AISES) is a national nonprofit organization focused on substantially increasing the representation of Indigenous peoples of North America and the Pacific Islands in science, technology, engineering, and math (STEM) studies and careers.
- In addition to awarding nearly \$12 million and counting in academic scholarships, AISES offers internships, professional development and career resources, national and regional conferences, leadership development summits, and other STEM-focused programming.

SACNAS – ADVANCING CHICANOS/HISPANICS AND NATIVE AMERICANS IN SCIENCE

- Founded in 1973
- Founded 3 chemists, 2 biochemists, 3 biologists, 3 physicists, and 2 mathematicians and 4 in other STEM areas, all Chicano or Native American.
- The mission is to create the next generation of professional leaders in Indian country.

US DEPT. OF EDUCATION FUNDING

- \$3.6 million for the [Alaska Native Education Equity Program](#)
- \$2.3 million for [Strengthening Native American Nontribal Serving Institutions](#) (NASNTI)

NEED FOR NATIVE LAWYERS.

- Sandra Day O'Connor College of Law: Pathway to Law Initiative helps navigate the process of applying to law school.
- *Harvard University Native American Program*
- HUNAP serves three primary purposes on Harvard's campus: teaching and research, community building, and Indigenous outreach.
- HUNAP provides students with the opportunity to engage in social, academic and cultural events throughout the year, while also allowing students to work closely with other Native graduate and professional students as well.

NATIVES IN MEDICINE

- **Mayo Clinic's Native American Pathway Program (NAPP)** is designed to address Native American health disparities by increasing the number of Native Americans in health careers. The program helps American Indian/Alaska Native undergraduate and postbaccalaureate students develop the skills and tools they need to matriculate and persist in medical school.
- **The Native American Research Centers for Health (NARCH)** program funds federally recognized American Indian/Alaska Native (AI/AN) tribes and organizations for health research, research career enhancement, and research infrastructure enhancement activities. Components of each NARCH award may be supported jointly by NIGMS and additional participating NIH Institutes, Centers, and Offices with research missions well-aligned with the proposed activities.

NATIVES IN MEDICINE

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INTERNSHIPS

- Native American Research Assistantship Program Mid-January
- NATIVE AMERICAN SUMMER RESEARCH INTERNSHIP (NARI)
- AISES 2023 Internships December 2022 – March 2023
- Four Directions Summer Research Program
- Indians Into Medicine (INMED) May – December
- ASPPH Fellowships and Internships

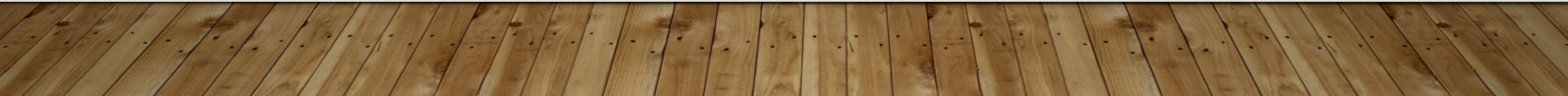
SCHOLARSHIPS

- American Indian College Fund February – May
- Native Forward January – June
- Indian Health Services Scholarship
Mid-December – February
- Cobell AY Scholarship: Indigenous Education Mid December – March
- Cobell Summer Scholarship: Indigenous Education February – May
- American Indian Education Fund
January – April
- Catching the Dream Quarterly Deadlines
- American Indian Services Quarterly Deadlines
- Udall Scholarship September - April

UPDATE ON TERO'S EXPUNGEMENT ORDINANCE

- (d) A person may petition for expungement of their record in the Cherokee Tribal Court in accordance with the following limitations: (1) For expunction of one or more nonviolent misdemeanor convictions, the petition shall not be filed earlier than:
 - a) five years after the date of the petitioner's last nonviolent misdemeanor conviction, other than a traffic offense not listed in the petition for expunction, or five years after any active sentence, period of probation, or post-release supervision has been served, whichever occurs later; or
 - b) three years after the date of the last nonviolent misdemeanor conviction, other than a traffic offense not listed in the petition for expunction, or three years after any active sentence, period of probation, or post-release supervision has been served, whichever occurs later, following petitioner's successful completion and graduation from the Tribal Employment Rights Office's Mothertown Healing Project.
- (2) For expunction of nonviolent felony convictions, the petition shall not be filed earlier than:
 - a) ten (10) years after the date of the most recent conviction listed in the petition, or ten (10) years after completion of any active sentence, period of probation, or post-release supervision related to any conviction listed in the petition, whichever occurs later; or
 - b) eight (8) years after the date of the most recent conviction listed in the petition, or eight (8) years after completion of any active sentence, period of probation, or post-release supervision related to a nonviolent felony conviction listed in the petition, whichever occurs later, and petitioner has successfully completed and graduated from the Tribal Employment Rights Office's Mothertown Healing Project.

QUESTIONS ???????????



THE END

