

EVA BURK

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WORK EXPERIENCE

INDIGENOUS AGRICULTURE TRAINING STAFF, CALYPSO FARM & ECOLOGY CENTER, ESTER, AK

JANUARY 2022 - PRESENT

Support program development, community engagement, and instruction during training sessions. Build networks and resource repositories specific to rural Alaska. Support Nenana Food Security Initiative with building a community garden, managing a summer youth employment program and soil testing/improvement activities.

GRADUATE RESEARCH TECHNICIAN, COLLEGE OF RURAL AND COMMUNITY DEVELOPMENT, UNIVERSITY OF ALASKA FAIRBANKS (UAF), FAIRBANKS, AK

MARCH 2021 - PRESENT

Support community engagement, research activities, publication, and planning efforts for the Drone Research and Opportunities for Native Elementary Students (DRONES) project, incorporating traditional knowledge into rural applications for drone technology.

GRADUATE RESEARCH ASSISTANT, INSTITUTE OF AGRICULTURE, NATURAL RESOURCE AND EXTENSION, UAF, FAIRBANKS, AK

MAY 2020 - PRESENT

Research climate change impacts to food security, explore Indigenous Knowledge resilience and adaptation, form a working group to build research partnerships to support community led efforts towards self-governance and food sovereignty, and communicate research with locals.

SENIOR PROJECT ENGINEER, ASRC ENERGY SERVICES, ANCHORAGE, AK

OCTOBER 2007 - APRIL 2013

Business development and client relations. Prepare proposals, grants and manage mid-level contracts (\approx \$250K) for small- and large-scale renewable and conventional energy projects (\$50K-\$42B). Provide stakeholder engagement cultural expertise; Alaska environmental sensitivity training; and Alaska Native shareholder development. Perform research, data analysis, design calculations and construction scheduling for remote Arctic conditions. Provide technical expertise for Environmental Assessments and Impact Statements, logistical planning and permitting.

PROFESSIONAL RESEARCH PROJECTS

Chukchi Sea Offshore and Onshore Pipeline Study; Chukchi Sea Development Environmental Assessment – Sea Ice, Physical Oceanography, and Climate and Meteorology; Alaska Major Infrastructure and Logistics Study; North Slope Borough Energy Plan; Arctic National Broadband Network Grant; and Sivulliq Pipeline Study – Hydraulics and Hydrology/Flood Frequency Analysis.

ACHIEVEMENTS

Changemaker Fellow, Alaska Region, NDN Collective, 2023.

Advisor/Guest Lecture, Indigenous Environmental Planning, Massachusetts Institute of Technology, 2021.

Massachusetts Institute of Technology Solve Indigenous Communities Fellow, 2020.

EDUCATION

MASTER OF SCIENCE, NATURAL RESOURCES AND ENVIRONMENT - AGRICULTURAL SCIENCE AND RURAL DEVELOPMENT, UAF, FAIRBANKS, AK

SEPTEMBER 2019 TO PRESENT, EXPECT TO GRADUATE IN MAY 2024

GPA 3.88. Member of Alaska Native Science and Engineering Program (ANSEP) and American Indian Science and Engineering Society (AISES). Alfred P. Sloan Foundation, ANSEP, AISES Advancing Agricultural Science Opportunities for Native American Students (AASONA), Cobell, and American Indian Graduate Center (AIGC) Scholar.

BACHELOR OF SCIENCE, CIVIL ENGINEERING, UAF, FAIRBANKS, AK

MAY 2007

Graduated cum laude (GPA 3.54). Member of Golden Key International Honor Society, National Dean's List, and UAF Dean's and Chancellor's List. ANSEP and AISES member and tutor. UAF Leadership program participant. University of Alaska (UA) Scholar and recipient of several competitive scholarships, including GHEMM Company, Doyon, Design Alaska, AISES and ANSEP.

CURRENT PROJECTS

Founder, Tlaa Deneldel Community Group, Nenana-Totchaket, October 2022 to present: Purchased 40 acres of undeveloped land to build an Indigenous Learning Center focused on ecological stewardship, food sovereignty, cultural revitalization and community wellness. Our mission is to create spaces for intergenerational learning and healing while restoring relationships to ancestral lands and waters. We are building people power by teaching people hands-on skills and strengthening our networks to build robust, sustainable communities embodying Indigenous sovereignty through healing, cultural continuity, and food security. We are reconnecting our people to traditional use areas and capturing the importance of those relationships for land planning.

Contractor, dba Rock Crossing Consulting. Nenana Native Village, June 2021 to present: Established the Nenana Food Security Initiative and secured state funding to construct a growing space and develop outreach materials and curriculum around building sustainable local food systems. Education, training, and employment opportunities for local school students, youth, Elders, and community members were created. Developed a summer youth employment program to build the community garden to complement our tribe's fish camp.

Council Member, Kyaani Sisters for Kaasei Training & Consulting, Ketchikan, Alaska, March 2021 to present: Plan and help host 2021 Traditional Plant and Food Symposium focused on creating community, wellness, and leadership through food sovereignty. Hold traditional healing, plants, and medicine workshops and demonstrations.

Contractor, dba Rock Crossing Consulting. Calypso Farm, February 2020 to present: Implementing an Indigenous Agriculture Training Program to grow a network of gardeners, farmers, ranchers, and traditional harvesters. Training sessions were held in 2021 and 2022 with about 20 trainees, including youth, from five regions across Alaska, covering topics such as whole farm planning, soil health, cultivation tools, crop planning, preservation techniques and much more.

Fishcamp Director, Nenana Native Village, 2021-2022: Hosted over 60 participants and oversaw a staff of 15 youth (ages 14-20) in a day camp focused on preserving salmon, traditional foods, language, birch bark basket making, beading, skin sewing, higher education, agriculture and advocacy. We held a traditional potlatch ceremony with songs, dances, and gift giving, sharing precious salmon with Elders.

LEADERSHIP AND INVITED SPEAKING ROLES

Science Definition Team Member, Arctic-COLORS Field Program, NASA Headquarters, October 2023 - present.

Advisory Committee Member, Minto-Nenana AC, Alaska Department of Fish and Game, January 2023 - present.

Advisory Council Member, Eastern Interior Region, Federal Subsistence Board, December 2022 - present.

Advisory Council Member, Long Term Ecological Research, Institute of Arctic Biology, UAF, December 2021 to present.

Advisory Board Member, Native Movement, Fairbanks, AK, March 2021 to present.

Advisory Council Member, Food Security Working Group, International Arctic Research Center, UAF, 2020 to present.

Vice-Chair, Board of Directors, Toghothele Corporation, Nenana, AK, November 2021 to December 2022.

Keynote Speaker, Take Only What You Need, Alaska Food Policy Council Festival & Conference, March 2022.

Presenter, Indigenous Food Sovereignty and Security Working Group, Arctic Observing Summit, 2020, 2022.

Speaker, Original Land Stewards, Intertribal Agriculture Council Annual Conference, December 2021.

Panelist, Food Security, Alaska Tribal Conference on Environmental Management, November 2021.

Keynote Speaker, Youth Leadership, Rural Alaska Honors Institute, UAF, July 2021.

Panelist, Holistic Health and Well-Being, One Health One Future Conference, UAF, April 2021.