

# Douglas J. Walrath

**Education:**   **Ph.D. Education.** Utah State University, 2005-08  
                  **M.S. Industrial Technology.** Utah State University, 1998-2002  
                  **B.S. Technology Education.** University of Wisconsin-Stout, 1993-96  
                  **General Studies,** University of Wisconsin-Fox Valley, 1992-93

## Professional Experience:

- 2009-current   **Director:** *Northwestern Alaska Career and Technical Center (NACTEC) Nome, AK*
- Manage Regional Training Center operations delivering workforce readiness training and life skills training in a residential programming environment
  - Grant writing, soliciting funding, and managing \$2.5M annual budget
  - Manage twelve staff and collaborate with fifteen off-site personnel
- 2005-08:       **Graduate Fellow:** *National Center for Engineering and Technology Education, Utah State University (USU), Logan, UT*
- Recruiter for USU Engineering and Technology Education Department
  - Graduate researcher in 5<sup>th</sup> annual American Society for Engineering Education global colloquium in Rio de Janeiro, Brazil
  - Griffith University in Brisbane, Australia; developed MOA for international collaboration enhancing Engineering and Technology Education
- 1996-2005:   **Technology Education Teacher:** *Blaine County School District #61, Hailey, ID*
- Created partnership with NASA to develop on-line STEM curriculum resources
  - Developed Engineering and NASA Tech courses; integrating STEM
  - Develop team-teaching partnership instructing upwards of 60 students per class
- 1987-1991:   **Combat Engineer (12B):** *U.S. Army – active duty assignments*
- Cold War Veteran: Bamberg, West Germany border patrol 1988-1991
  - Gulf War Veteran: Saudi Arabia, Iraq, and Kuwait deployment 1990-91
  - Army Achievement Medal and Army Commendation Medal

## Accomplishments:

- Alaska Head Start Association Father of the Year, 2017
- University of Wisconsin-Fox Valley Outstanding Alumni, 2011
- International Technology Education Association's (ITEA) Board of Directors. Region IV representative for thirteen Western states, 2004-06
- ID Governor's Industry Award for Notable Teaching in STEM, 2004
- NASA Educator Astronaut Finalist, 2003
- ITEA Teacher and Program Excellence Awards, 2004 & 2002
- Technology Education Association of Idaho Teacher of Year, 2003 & 2001

## Grant Writing:

- Alaska Native Engineering Education Development Project. U.S. Department of Education, Accessing Choices in Education STEM Grant, 4-year, \$4M (2021-25).

- Pathways Advancing Technical Training and Employment Readiness Now. U.S. Department of Education, Native American Career and Technical Education Program Grant. 5-year, \$2.5M (2021-26).
- Designed Learning Experiences/Virtual Reality-Based Training Environments. Denali Commission, Project 1674. 2022-24, \$369,000.
- Aviation Pathways. U.S. Department of Education, Native American Career and Technical Education Program Grant. 3-year, \$1.3M (2018-21).
- Heavy Equipment Operator Pathways Training. Alaska Community Foundation. 2018-2022, \$163,593.

**Publication:**

- Complex Systems in Engineering and Technology Education: A Mixed Methods Study Investigating the Role Computer Simulations Serve in Student Learning. Doctoral Dissertation. Utah State University (2008).

**Certifications:**

- Superintendent Endorsement, University of Alaska-Southeast, 2016
- Alaska Type B Certification, Director of Vocational Education, 2021-26
- National Boards of Professional Teaching Standards: Career and Technical Education/Early Adolescence through Young Adulthood, 2004-2014