

Marriel Triggs

Chief Executive Officer at MuralNet

San Francisco Bay Area

marriel@muralnet.org

Nonprofit leader creating tools and partnerships to bridge the digital divide on tribal lands

MuralNet, Chief Executive Officer (Feb 2019 - present)

Coordinating strategies with tech, education and policy partners to work with Native nations to bring Internet equity to their communities.

MuralNet, Chief Operations Officer (March 2018 - January 2019)

Recruiting and collaborating with technical, educational and industry partners to bring high-speed internet to rural areas and bridge the homework gap. This includes deploying LTE networks, researching strategies to affect government policies and managing the legal and financial responsibilities of a startup nonprofit.

EDUCATION

Stanford University

Master of Arts Degree in Education/Curriculum Studies and Teacher Education focusing on Secondary Math Education

University of California, Berkeley

Bachelor of Science Degree in Chemical Engineering

Bachelor of Science Degree in Materials Science and Engineering

RELEVANT PAST EXPERIENCE

Teaching and Educational Researcher Experience

Pushed innovation in STEM classrooms through project-based service learning for over a decade.

Brought mixed methods research design to assess equity in schools.

Developed mission-based metrics to help independent schools meet their high standards.

Worked in public, private, parochial and informal learning environments.

Engineering Experience

Designed and built an endovascular shape memory polymer (SMP) microactuator. Lawrence Livermore National Labs

Overhauled silver behenate production process and customized resole polymers for lithographic purpose., Eastman Kodak

Troubleshooted customer difficulties with bicomponent polymer textiles and developed tests to quantify core-jacket adhesion.

Hoechst Celanese Corporation

SELECT PROJECTS

- Student Experience Survey: Redesigned course feedback into a formative assessment of student experience in the classrooms so that institutional wide trends could be observed. Lick-Wilmerding High School, Institutional Researcher (2014-2017)
- Taught data-based workshops about how to instill a growth mindset in communities and in students. Aim High (2014-2015)
- Represented PERTS (Stanford Research Center focused on using research-based interventions to improve student outcomes) at talks and panels about the challenges and opportunities regarding motivating students at scale (2014)
- Collaborated with a team to rigorously evaluate the K-12 Education and Environment Curriculum from the California Environmental Protection Agency based on content, pedagogy and likely created dispositions and behavior changes (2012)