Arianna Tariqi

Tucson, AZ 85705 | 951-595-3257 | Email: ariannatariqi@gmail.com |
LinkedIn: www.linkedin.com/in/arianna-tariqi

Education

University of Arizona   **2021 - Current**

Doctor of Philosophy in Environmental Engineering, PhD

Minor in Indigenous Food, Energy, and Water Systems

University of California, Merced   **2017 - 2021**
Bachelor of Science in Environmental Engineering

Awards

Outstanding Student Recipient- Environmental Engineering.
University of California, Merced. 2021. https://engr-advising.ucmerced.edu/about/OutstandingStudents

Dean's Honor List **Fall 2017** | Dean's Honor List **Spring 2019** | Dean's Honor List **Fall 2020** | Dean's Honor List Spring 2021

Professional Experience

Undergraduate Researcher
University of California, Merced **August 2019-May 2021**
• Conducting geospatial analysis with ArcGIS Pro of water quality and
     health data in California.
• On the mapping team for the COVID-19 emergency seed grant entitled
     "Integrated Quantitative Microbial Risk Assessment and Geospatial
     Analysis of SARS-CoV-2 in Wastewater for Vulnerable Populations"

Bright Success center (PALS) September 2018- May 2021 University of California, Merced
   • Tutoring undergraduate students for general math and chemistry classes.
   • Supporting successful completion of homework and class assignments

Student Accessibility Services (SAS) Proctoring May 2019 – August 2019 University of California, Merced
   • Providing a quiet environment for students to take exams.
   • Supporting privacy, inclusivity, and a judgment- free space for students.

Leadership Experience

Global Water Pathogens Project (GWPP)
W-SPHERE Data Task Force Member **January 2021 – May 2021** Support the creation of SARS-CoV-2 WBE
global data center. Aggregate existing open data from wastewater-monitoring dashboards worldwide
Work alongside renowned professionals in the wastewater field.

Sports Club, Tennis
President **August 2018 – May 2021** Lead team meetings. Organize events and socials.
Communicate between UC Merced's Sport club advisors, team, and league members

PALS (Peer Assisted Learning Support)
Subject Lead **August 2019 – May 2020** Managed a group of six to seven STEM tutors.

SWE (Society of Women Engineers) Member
Expand your Horizons Event **February 2020-March 2020** Taught middle school and high school girls how to create
an air particle sensor.

University of California, Merced
Salmonid Release **February 2020- March 2020** Taught elementary aged children about the salmon life cycle and released salmon into the Merced River

Calteach Program, University of California, Merced
Calteach Extern **March 2019- April 2019** Guided middle schoolers through Yosemite National park
Taught a lesson on watersheds

SWE (Society of Woman Engineers) Member
We19 Conference **November 2019-November 2019** Chosen to attend event in Anaheim, CA. Attended career fairs and professional development sessions to advance women in engineering.

Publications

Tariqi, A.Q., Naughton, C.C. (2020) *"Water, Health, and Environmental Justice in California: Geospatial Analysis of Nitrate Contamination and Thyroid Cancer."*
Publication accepted to *Environmental Engineering Science.*

Presentation and Posters

Naughton, C.C., James, B., Roman, F.A. Jr., Tariqi, A.Q., Alvarado, A.G.F., Trotz, M.A. (2021) "*Students Converging COVID-19: Environment, Health, and Equity.*" AAEES Webinar. Online Presentation. July 2021.

Tariqi, A.Q., Roman, F.A. *(2020)" Integrated Risk Assessment and Geospatial Analysis for SARS-CoV-2 in Wastewater for Vulnerable Populations."* UC GIS Week. Online Presentation. November 2020.

Tariqi, A.Q, Naughton, C.C. *(2019) "Spatial Analysis of Water Resources, Nitrates and Health in Merced, California."* MIDH2O Symposium, Merced, CA. Poster Presentation. September 2019.

Tariqi, A.Q, Naughton, C.C. (2019) *"Water, Health, and Environmental Justice in the Central Valley of California: Geospatial Analysis of Nitrate Contamination and Health Disparities.* "American Chemical Society (ACS) National Meeting, San Diego, CA. Developed Flash talk and poster presentation. August 2019.

Technical skills

- ArcGIS Pro
- Microsoft Excel
- Python
- AutoCAD
- R-Studio
- MATLAB