

Kim Tran

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EDUCATION

University of Washington, Seattle Seattle, WA
M.S. in Environmental Engineering 2021 – 2023 (Expected Graduation)

University of Washington, Seattle Seattle, WA
B.S. in Environmental Engineering, Environmental Health Minor 2017 – 2021

RESEARCH EXPERIENCE

UW Department of Civil and Environmental Engineering Seattle, WA
Undergraduate Research Assistant; Advisor: Mari Winkler 2017 – 2020

- Researched various wastewater treatment microorganisms, including anammox, comammox, ammonia-oxidizing archaea, and denitrifying phosphorus accumulating organisms.
- Performed routine tasks such as making bioreactor chemical media, collecting water samples to measure nutrient removal efficiency, working with microbial cultures, and conducting other lab experiments & maintenance work alongside lead researchers.
- Compiled data and created figures through Excel and some use of R.

UW Alliances for Learning & Vision for Underrepresented Americans Program Seattle, WA
Clean Energy Intern Summer 2017

- One of 4 engineering students selected for a competitive summer immersion program that taught genomics, mathematics, chemistry, engineering ethics, and social justice subjects and provided laboratory training & experience while working in a research lab.

TEACHING EXPERIENCE

UW Department of Biology Seattle, WA
Introductory Biology Seminar Peer Facilitator Spring 2019

- Provided academic support and mentorship to small student groups during class lessons.

WORK EXPERIENCE

US EPA Region 10 Seattle, WA
Pathways Intern; Water Division, Drinking Water Section Summer 2021 – Present

- Perform routine regulatory and compliance assignments pertaining to the Safe Drinking Water Act.
- Review and revise Water Quality Management Plan and Sanitary Survey documents for tribal water systems.
- Supports higher-graded staff in planning for program management of environmental programs, correspondence with water system technical assistant providers, and other clerical work as necessary.
- Electronically files water sample data and documents into the database.

UW Department of Civil and Environmental Engineering Seattle, WA
Laboratory Assistant; Winkler Laboratory Fall 2020 – Spring 2021

- Compiled weekly bulk order requests and budgets for laboratory researchers through the university's electronic procurement system.

UW Department of Civil and Environmental Engineering Seattle, WA
Student Grader Fall 2020 – Winter 2021

- Courses: *Environmental Engineering Microbiology* and *Wastewater Reuse/Resource Recovery*
- Organized and managed the course websites, graded assignments, and supported students through the online platform.

CONFERENCE PRESENTATIONS

Tran, K., Xie, T., Winkler, M.H. Simultaneous Nitrogen and Phosphorus Removal from Wastewater by Integrating Anammox, NDAMO, and DPAOs in a Combined System. UW Research Symposium (August 2017) and Emerging Researchers National Conference in STEM (February 2018).

PUBLICATIONS

Yin, J., Hunt, K. A., Xie, T., Quoc, B. N., **Tran, K.**, Stahl, D. A., & Winkler, M. H. (2021). Pairing denitrifying phosphorus accumulating organisms with anaerobic ammonium oxidizing bacteria for simultaneous N and P removal. *The Science of the total environment*, 787, 147521.

<https://doi.org/10.1016/j.scitotenv.2021.147521>

LEADERSHIP INVOLVEMENT

- Internal Vice President, Northwest Vietnamese Student Association (VSA), 2021 – Present
- Vice President of External Affairs, VSA University of Washington, 2020 – 2021
- Leadership Conference Programming Staff, Union of North American VSA, 2021
- Leadership Conference Event Planning Staff, Northwest VSA, 2020

PROFESSIONAL AFFILIATION

- Vietnamese Student Association, 2017 – Present
- American Society of Civil Engineers, 2019 – 2021
- Engineers Without Borders, 2019 – 2020

ACADEMIC HONORS AND AWARDS

- Helen E. Zromkowski Endowed Civil Engineering Scholarship, 2020 – 2021
- Clean Energy Undergraduate Research Assistance Award, 2018 – 2019
- Washington Pulp and Paper Foundation Scholarship, 2017 – 2019