Duy Nguyen

Programmer
Cross Departmental Technical Support
Southern California Coastal Water Research Project

Education

M.S., Software Engineering, California State University, Fullerton, 2025

M.S., Computational and Applied Mathematics, California State University, Fullerton, 2021

B.A., Applied Mathematics, California State University, Fullerton, 2019

Professional Experience

Programmer, Southern California Coastal Water Research Project. Costa Mesa, CA. 2022-present

Mathematician, Naval Air Systems Command. China Lake, CA. 2022

Research Technician, Southern California Coastal Water Research Project. Costa Mesa, CA. 2021-2022

Laboratory Assistant, Southern California Coastal Water Research Project. Costa Mesa, CA. 2019-2021

Other Relevant Knowledge, Skills, or Achievements

Amazon Web Services (AWS) Certified Developer Certification, 2023

Journal Articles

Xin, D., S. Sauers, D. Nguyen, J. Gray, E. Fassman-Beck. 2026. Field monitoring of microplastics in biofilter media: insights into media characteristics and design. *Blue-Green Systems* DOI:10.2166/bgs.2026.008.

Xin, D., S. Sauers, D. Nguyen, E. Fassman-Beck. 2026. Field Monitoring of Microplastics in Urban Runoff: Treatment Efficiency of Biofilters. *Environmental Science & Technology* DOI:10.1021/acs.est.5c18706.

Tiernan, E.D., J. Gray, D. Nguyen, B. Shi, M. Wang, K. Dunn, J. Peng, D. McCarthy, E. Fassman-Beck. 2026. Automated detection of illicit discharges in storm drains using a distributed network of low-cost IoT sensors. *Urban Water Journal* DOI:10.1080/1573062X.2026.2641088.

Schiff, K.C., A. Zimmer-Faust, D. Nguyen, J.F. Griffith, J.A. Steele, D.E. McCargar, S. Wallace. 2024. Using HF183 to Estimate Watershed-Wide Annual Loadings of Human Fecal Pollution from Onsite Wastewater Treatment Systems. *Sustainability* 16:9503.

Technical Reports

Fassman-Beck, E., D. Xin, S. Sauers, D. Nguyen, J. Gray. 2026. Field Monitoring of Microplastics Loading and Accumulation in Biofiltration Best Management Practices. Technical Report 1457. Southern California Coastal Water Research Project. Costa Mesa, CA.

Wong, C.S., W. Lao, S. Sauers, D. Nguyen, L.M. Thornton Hampton. 2024. Multimedia investigations of microplastic concentrations in the Los Angeles and San Gabriel Rivers. Technical Report 1389. Southern California Coastal Water Research Project. Costa Mesa, CA.

Fassman-Beck, E., E. Tiernan, D. Nguyen, R. Butler. 2024. Turf Replacement BMPs to Reduce Dry and Wet Weather Runoff. Technical Report 1391. Southern California Coastal Water Research Project. Costa Mesa, CA.

Wong, C.S., W. Lao, S. Sauers, D. Nguyen, R. Butler, D. Lin. 2024. Characterizing the Removal of Microplastics by California Wastewater Treatment Plants: Implications for Management Strategies. Technical Report 1378. Southern California Coastal Water Research Project. Costa Mesa, CA.