

Derek Nguyen

derekhnguyen@ucsb.edu | [LinkedIn](#) | 760-412-0731 | Santa Barbara, CA

EDUCATION

Master of Environmental Science and Management, (Expected June 2021)

Bren School of Environmental Science & Management – University of California, Santa Barbara (UCSB)

Specialization: Water Resources Management, Pollution Prevention & Remediation | Focus: Environmental Data Science

Highlighted/Anticipated Classwork: Groundwater Management, Water Policy, Geographic Information Systems, Sustainable Watershed Quality Management, Pollution Prevention, Business and the Environment, Biogeochemistry, Life Cycle Assessment

Bachelor of Arts in Environmental Studies, (June 2019)

University of California, Santa Barbara (UCSB)

Awards: Undergraduate Research and Creative Activities (URCA) Grant – “Deeper Well Drilling an Unsustainable Stopgap to Groundwater Depletion” - <https://www.nature.com/articles/s41893-019-0325-z>

Leadership: **President – FoodCycling at UCSB**, Santa Barbara, CA (4/18 - 6/19);

Food Security Taskforce Member – Food, Nutrition, & Basic Skills Program, Santa Barbara, CA (4/18 – 6/19);

Student Faculty Hire Subcommittee Member –Agriculture, Food and the Environment, Department of Environmental Studies, UCSB, Santa Barbara, CA

WORK & RESEARCH EXPERIENCE

Well Data Analyst – Environmental Studies Department, Santa Barbara, CA (10/18 – 8/19)

- Assessed hundreds of local and statewide newspaper articles that report on drying groundwater wells.
- Identified where reports were lacking to develop a comprehensive network of dry well locations in the Western 17 states and mapped those locations using geospatial processing software.
- Explored thousands of injection well depths and locations on state agency databases across the Western 17 states to measure potential impacts on groundwater.
- Conducted phone call and email interviews with state agency representatives to request access to government databases that were otherwise not available online.

Safety Program Intern – Goleta Water District (GWD), Goleta, CA (6/18 – 9/19)

- Reorganized and updated entire Goleta Water District’s workplace safety and training program.
- Coordinated and facilitated weekly safety quizzes to ensure that employees understand and adhere to the safety and health standards set by the Occupational Safety and Health Administration (OSHA).
- Developed and revised standard operating procedures for newly incoming employees.

Water Zone Analysis Program Intern – Goleta Water District (GWD), Goleta, CA (6/18 – 9/19)

- Assisted Engineering Department in analyzing water quality, collecting samples, and developing customer consumer reports.
- Tracked water complaints by district zone and map out each locations using GIS modelling software.
- Analyzed water age, demands and sub-demands of zone within district to analyze water allocation quantities.
- Assisted with the Corrosion Control Sampling Program for surface and blend wells.
- Developed and revised Safety Data Sheets to ensure employee protection protocols in the work environment.

ADDITIONAL EXPERIENCE

Teaching Assistant, University of California, Santa Barbara – Environmental Studies Department, (1/20 – Present)

Food Recovery Project Coordinator, UCSB Sustainability, Santa Barbara, CA (4/18 – 6/19)

Urban Forestry Restoration and Education Trainer – Your Children’s Trees, Santa Barbara, CA (4/18 – 8/18)

Supervisor, Catering, UCen Dining Services, Santa Barbara, CA (6/16 – 6/18)

SKILLS & ACTIVITIES

Software: Advanced Data Analysis (RStudio – Proficient), Microsoft Office Suite (Word, Excel, PowerPoint – Proficient)

Language: Vietnamese (Fluent)