

Kota Nishiguchi, EIT

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Education

M.S. in Environmental Engineering

University of Washington, Seattle
Spring 2019 (*in progress*)

B. S. in Civil and Environmental Engineering

University of California, Davis
Spring 2017 with High Honors
3.89/4.0 Engineering GPA

Research

Masters: I am currently studying the causes of foaming in anaerobic digesters. Formation of persistent foams in anaerobic digesters can occur because of the characteristics of the digester feed, the conditions within the digester, or the operation of the digester. My research involves working with King County Wastewater Treatment Division to identify the causes of foaming through analysis of data on their digester conditions and the characteristics of their digester feed.

Bachelors: My senior design project involved the estimation and analysis of evaporative losses from Lake Berryessa in Napa County, CA. My design team investigated the methods of estimating evaporation applied at Lake Berryessa.

Experience

Water Quality Intern | May 2016 – June 2017

City of Sacramento, Department of Utilities

- Researched treatment processes for such as disinfection, coagulation, filtration, and alkalinity addition
- Performs calculations on water quality and hydraulic data for technical reports

Chapter Secretary | April 2016 – June 2017

UC Davis Chi Epsilon, Civil Engineering Honors Society

- Fundraised for chapter through outreach to engineering firms

Design Team Project Manager | May 2015 – May 2016

UC Davis ASCE Construction Management Team

- Managed team schedules and assignments for both planning and construction
- Presented design-build proposal for judges from the construction industry

Skills

- Proficient in Microsoft Office, MATLAB, R for Statistics, Visual MINTEQ, AutoCAD, ArcGIS

Awards

- Dean's Honors List (8 quarters) at UC Davis
- Recipient of The Beavers Charitable Trust Award
- 2015 EPA RainWorks Challenge Finalist