

Kateryna Gomozova

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(425) 628-3959

◆ Environmental Engineering ◆ Water and Wastewater Treatment

Work experience:

Engineering Intern

December, 2016 – present time

King County Department of Natural Resources and Parks, Wastewater Treatment Division

- conducting engineering evaluations;
- preparing project specifications;
- writing reports, cover letters and technical memorandums;
- preparing and reviewing designs.

Project Manager

November, 2008 – March, 2015

Ecopolymer Group, Consulting Engineers, Ukraine

Responsibilities related to management of projects on design and construction of wastewater treatment plants (capacity of the plants: from 4 to 150 mgd):

- development of PM documentation – scope, schedule, WBS (Work Breakdown Structure), budget and project plan;
- development and continuous updates of risk assessment reports;
- development of feasibility studies including NPV (net present value), life-cycle cost analysis;
- reviewing contractor submittals and checking their consistency with the specification;
- procurement negotiations and contracting with equipment suppliers;
- development of technical description on the process equipment;
- participation in International Water Treatment Exhibitions in Ukraine, Germany, China.

Research experience:

Assistant of PhD Student

October, 2016 – present time

Winkler Lab, University of Washington

- maintaining operation of Anammox (anaerobic ammonium oxidation) reactor;
- testing of the water samples from the reactor on a regular basis;
- preparing of granules for FISH (Fluorescence in situ hybridization) analysis;
- writing protocols and operation guidelines.

Undergraduate Researcher

June, 2016 – August, 2016

Undergraduate research, Chemistry Department Bellevue College

- selecting of the research topic;
- designing the experiment;
- building the apparatus for forward osmosis;
- conducting the experiment;
- analyzing the data and making the conclusions;
- presenting the poster.

Other experience:

Math tutor

October, 2015 – December, 2016

Academic Success Center, Bellevue College

- helping students from different levels of Math with understanding the concepts;
- guiding students through solving homework problems.

Officer of Chemistry Club

September, 2015 – September, 2016

Bellevue College

- attending weekly Club's meetings;
- participating in weekly experiments;
- volunteering in Expanding Your Horizons, the event encouraging high-school girls to follow a career in STEM field;
- volunteering in the Discovery Days and Science Division Open House;
- informing the Club members about the upcoming events and meetings.

Awards and scholarships:

- Lebon Prize for Excellence in Mathematics, awarded by the faculty members from Science and Math Department (June 2017) ;
- Certificate of Outstanding Achievement in Calculus, awarded by the faculty members from Science and Math Department (June 2016);
- 1-year scholarship from Biella Foundation Community & Technical Scholarship Foundation for a sophomore year in college (July 2016).

Education:

September, 2017 - present time University of Washington, Seattle Campus, Department of Civil and Environmental Engineering

April, 2015 - August, 2017 Bellevue College, Bellevue, WA, Pre-Engineering transfer degree
- Coursework included: Math, Chemistry, Physics and Engineering;
- GPA (current): 4.0

September, 2011 - January, 2013 Karazin Kharkov National University (Ukraine), School of Applied Economics
- MS Degree in Applied Economics (GPA: 3.5);
- Coursework included: Project Management, Applied Econometrics, Math Models in Economics, Actuarial Calculations, Discrete Modeling.

September, 2004 - July, 2008 Karazin Kharkov National University (Ukraine), School of Philosophy
- Bachelor's Degree in Cultural studies (GPA: 4.0);
- Member of student government.

Skills and knowledge:

- 6 years of project management experience in the field of wastewater treatment;
- Lab/research experience;
- Experience in MS Office, AutoCAD, Microsoft Visual Studio;
- Self-motivated and disciplined person with excellent organizational skills;
- Able to work effectively both independently and in a team;
- Good eye for details.

Memberships:

- American Society of Civil Engineers;
- American Chemical Society.