

Zach Raymond-Becker, EIT

3972 Pleasant Beach drive Bainbridge Is. Washington 98110
(206) 948-5615 – Ztr5@nau.edu

Objective

To obtain a full-time position with an innovative and dynamic company where I will have the opportunity to contribute my intrapersonal and technical skills in environmental analysis and control.

Education

Bachelors of Science in Environmental Engineering, 2013: Northern Arizona University

- Emphasis in air and water pollution control, minor in chemistry, degree GPA 3.4
- Dean's list: Spring 2013, Fall 2012, Spring 2012, and Fall 2009
- Fundamentals of Engineering Exam Spring 2013
- ABET accredited program

Associate of Art, 2009: Seattle Central Community College

Proficiencies

- *CAD:* SolidWorks 2013, AutoCAD 2013
- *Modeling:* HELP, HEC RAS, CEAM, SCREEN3, Bentley, Hydraflow Express
- *Programming:* html, Visual Basic, C++, Python
- *General Computing:* Microsoft Office Suite (Excel, Word, PowerPoint, Visual Basic, Project, One Note, and Outlook), People Soft, Oracle, VMware, ArcGIS, EPA.IRIS, U.S. Soil Survey, Adobe Creative Suite 6
- *Regulatory Resources:* Code of Federal Regulations, State Departments of Environmental Quality, Clean Water Act, Safe Drinking Water Act, Clean Air Act, National Pollutant Discharge Elimination System

Projects

Nitrate Treatability Study..... Spring, 2013 – Winter 2013

- The goal of the study was to select a nitrate treatment technology to treat groundwater for nitrate contamination in single family households in the United States of America who get drinking water from a contaminated aquifer via a well.
- Website: <http://www.cefn.s.nau.edu/capstone/projects/CENE/2014/NitrateTreatabilityOptimization/>

Professional Experience

NAU Mass Transfer Lab Aide and Grader..... Fall, 2013 – Winter, 2013

- Handel sensitive class documents
- Run air stripping laboratory
- Hold exam review sessions

NAU Design 4 Practice Teaching Assistant..... Fall, 2011 – Spring, 2013

- Assist in process of building, and programming NXT, and Arduino robots
- Handel sensitive class documents

Oak Creek Water Shed Council Intern..... August, 2012 – November, 2012

- Recruit volunteers for the Oak Creek Watershed Council
- Collaborate with professional engineer Brad Kraft
- Collect and analyze data from the Yavapai County GIS databases

NAU Capital Assets Computer Services Student Worker..... May, 2012 – October 2012

- Ensure all computers within capital assets work to the best of their ability

- Maintain, manage and repair capital assets servers
- Prepare new and used computers for deployment within capital assets
- Solve server based printing problems

NAU Resident Life Electrician May, 2010 – August 2010

- Install and demo switches, light fixtures, outlets, and supporting NM-B cables
- Install Cat-5e cable from telecom closet to outlet locations in the capital assets building
- Communicate effectively with other student workers and professional electricians