

Patrick Belsheim
13219 Ridgedale Drive
Poway, CA 92064
(858)-449-2985
pbelsheim@yahoo.com

Objective

To obtain a full-time position in the field of Environmental Engineering that utilizes my analytical and interpersonal skills.

Education

- 8/09-Present: Undergraduate degree in Environmental Engineering, Northern Arizona University, Flagstaff, Arizona
- GPA: 3.02/4.0
- Expected Graduation Date: 12/13

Projects

OWDP Force Main and Lift Station

Spring 2013 to December 2013

- Designing lift station and transmission line to deliver residential wastewater to a wastewater treatment test facility.

Employment

Northrop Grumman, 16710 Via Del Campo Court, San Diego, California

January 3, 2009 to May 20, 2009: Engineering Support Intern

- Identified engineers, who needed to update their certifications and recommended appropriate courses of action.
- Provided excel tables to supervisor, which organized employees by up to date certifications.
- Collected supplies from the warehouse and moved them to the office when needed.

McDonalds, 12510 Poway Rd, Poway, California

June 18, 2008 to August 18, 2008: Crew member

- Operated the cash register.
- Operated the drive through window.
- Developed basic food handling skills.
- Performed basic cleaning.

Skills

- Computer: AutoCAD, Excel, FlowMaster, Help, WaterGems
- Languages: German (Elementary Proficiency)

University Activities and Honors

- Dean's List Spring 2013 (Awarded for achieving a 3.5 or higher GPA)
- 08/09-12/09: Marching Band member

Volunteer Activities

- 08/1/2013-08/05/2013: Vacation Bible Camp Councilor, La Jolla Methodist Church
- 08/14/2013 Surf Rider Foundation Volunteer, 17th Stone Anniversary Beer Festival
- 08/1/2012-08/05/2012: Vacation Bible Camp Councilor, La Jolla Methodist Church
- 08/18/2012: Surf Rider Foundation Volunteer, 16th Stone Anniversary Beer Festival

References

Tiffany, McDonalds Shift Manager, (858)-748-2636

Rebmann, Beth, High School Internship Partner, (858)-618-4100

Baxter, Terry, Northern Arizona University Professor, (928)-523-2008, Terry.Baxter@nau.edu

Class List

- CENE 180: Computer Aided Drafting
Learned basic hand drawn drafting techniques mostly focused on learning and using AutoCAD.
- CENE 270: Surveying
Learned how to do basic surveys, create 3D topographical maps, learned how to use AutoCAD Civil 3D.
- CENE 280: Fundamentals of Environmental Engineering
Learned how to find and calculate concentrations and fate of chemical contaminants in air, water or soil.
- CENE 281L: Water Quality Lab
Learned how to conduct water quality tests and apply general lab procedure.
- CENE 332: Solid and Hazardous Waste
Learned about landfill design, site remediation, risk assessments and chemical and environmental fate of contaminants.
- CENE 335: Environmental Biotechnology
Learned about integrated biotechnology treatment technologies, conducted research into biotechnological systems and wrote a scientific journal article on a proposed biotechnical system.
- CENE 333: Water Resources I
Learned basic hydraulics with a focus on pipe flow and uniform open channel flow.
- CENE 333L: Water Resources I lab
Applied knowledge of Water Resource I to watershed delineation, stream flow gauging, water distribution management and used water GEMS, HydraFlow Express, FlowMaster and AutoCAD Civil 3D.
- CENE 383: geotechnical engineering
Basic geotechnical engineering, learned about settlement, compaction, hydraulic conductivities, how to measure and quantify geotechnical soil properties.
- CENE 383L: geotechnical engineering lab
Application of CENE 383 in lab setting ran water content tests, compaction tests, sieve analysis and hydraulic conductivity tests.
- CENE 410: Unit Operations
Subjects learned in 332 were further developed, and additional elements of air and water treatment were taught as well. Final project was the basic design of a packed column.
- CENE 480/580: Environmental Transport Processes
Learned and applied mass transfer to environmental transport in the air, water and soil.
- CENE 476C: Capstone Prep
Start of final engineering project, creation of teams to work on rfps for clients. In this class the final submittal was a full proposal to client and professor.
- CENE 486C: Capstone
Completion of project started in 476C
- CENE 434: Water and Waste Water Engineering
Learned basic water and waste water facility design and operation.