
Objective	To obtain an internship in the Environmental Engineering field	
Education	Missouri University of Science and Technology B.S. Environmental Engineering	Dec 2021 GPA: 3.519/4.0
Experience	U.S. Geological Survey Rolla, MO Hydrology Student Trainee	Dec 2020-Present
	<ul style="list-style-type: none">Archived historical data and survey information for stream gage sitesResearched into stream gage sites to find benchmarks, level notes, and surveys for establishing datumsUpdated stream gage databases with site information and datum calculations	
	Benton and Associates, Inc. Intern/Technician I	Rolla, MO Jun 2020-Aug 2020
	<ul style="list-style-type: none">Reviewed water/wastewater treatment plant distribution and flow dataExamined plan sheets for wastewater treatment plant design and hydraulic elevationsHelped with the hydraulics of a wastewater plant using Visual HydraulicsUtilized ArcGIS Pro to examine drainage basins and water distribution systemsWorked with WaterGems to model water distribution systemsExamined and assisted the development of stormwater management plansDrafted a post-construction stormwater ordinance	
	GREDELL Engineering Resources, Inc. Intern/Technician I	Jefferson City, MO Dec 2019-Jan 2020
	<ul style="list-style-type: none">Reviewed and proofed design drawings and supporting reports for landfillAssisted with stormwater and culvert calculationsChecked secondary containment calculations	
Missouri Department of Natural Resources Land Reclamation Intern-IM, MM, AML, and Coal Units		Jefferson City, MO May 2019-Aug 2019
	<ul style="list-style-type: none">Inspected mine sites and investigated mining incompliancesContacted and worked with mine operators to schedule meetings and clarify regulationsMapped mine plans and boundaries utilizing ArcGISRenewed and wrote permits to authorize mining operationsAttended public and pre-bid meetings to discuss mining and reclamation plansCollected data points with GPS Trimble unit for abandoned coal mine reclamation designSampled test digs and soil borings to assess conditions of coal spoil ridgesExamined mine plans and reclamation designsAssisted with soil bioengineering to prevent erosion and contaminationTreated acid mine drainage cells with soda ash to allow for repair of the cell systemDesigned informative handouts to educate the public and assist operatorsEdited and wrote reports, letters, and news articles about mining and reclamation	
Missouri University of Science and Technology Research Assistant-Environmental/Civil Engineering Departments		Rolla, MO Mar 2019-present
	<ul style="list-style-type: none">Assisted with mine tailings phytoremediation researchImaged plants through their growth stages to examine their growth in mine tailing soilsMaintained and monitored decade long biochemical reactor experiment for professorAssisted a PhD student to develop new concrete mixes using fly ashCollaborated with a PHD student testing new pavement mixes containing recycled scrap tiresConducted tests, collected data, and trained new employees on procedures and research	
Certifications & skills	OSHA 10 HAZWOPER 40	Subsurface Geological Exploration ArcGIS, Microsoft Office, AutoCAD, Microstation, Visual Hydraulics, WaterGems
Activities & Honors	Solar House Laboratory Resident Association of Environmental and Engineering Geologists- Fundraising Chair Solar House Design Team- Construction Manager Water Environment Federation Association of Environment Engineers-Stream Team Monitoring American Society of Civil Engineers Intramural Basketball Official-Missouri S&T Intramural Sports-softball, soccer, football, volleyball, and basketball Team Captain Miner and University Scholarships Missouri Waste Control Coalition Scholarship Triple D-JC Farms	