

## Samuel Tomlinson

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### Summary

Environmental resource management major with an interest in Industrial Hygiene and Environmental Health and Safety, seeking an internship using knowledge of environmental regulatory requirements and sustainability practices to gain experience in industry.

### Education

#### **Bachelor of Science**

May 2019

Arizona State University, Tempe, Arizona

Current GPA: 3.87

### Professional Experience

#### **Undergraduate Teachers Assistant, Water Wastewater Treatment**

Spring 2018

- Held recitation sessions twice a week for helping students with homework assignments
- Was available for email or cellphone questions from students
- Assisted instructor in class with review sessions

#### **Grocery/Produce Clerk, Fry's Food and Drug, Phoenix, Arizona**

October 2014 – Jan 2016

- Assisted customers with any questions as I walked around the store
- Unloaded grocery and produce loads from the trucks
- Stocked various grocery products and produce
- Assisted front end managers by coming to the front end to cashier when called

### Extracurricular Experience

#### **Volunteer, Household Hazardous Waste Collection Event, Mesa, Arizona**

November 2017

- Collected and sorted household hazardous wastes for the City of Mesa at a collection event.
- Worked with coordinators and other volunteers to correctly sort the collected hazardous wastes from residents.

#### **Project Cities Apache Junction Report, Solid Waste Management Class Report**

Fall 2107

- Co-author of a solid waste report for Apache Junction
- "Analysis of the City of Apache Junction's Solid Waste Related Complaints and the City Complaints Management Intake Process"
- Addressed the issue of solid waste complaints and the solid waste system
- Report submitted for publication

#### **40 Hr. Hazwoper Certification, Professional Development Certification**

November 2017

- Taught to identify Hazards and how dangerous they may be based on regulatory guidelines set by OSHA.

- Learned about various safety equipment, labeling of hazardous substances and navigation of OSHAs' handbook

### Skills

- Microsoft Office 2017 (Word, PowerPoint, Excel)
- Interpret Water Quality, Sanitation, Hydraulics and Hydrology Concepts and Conduct Calculations associated with these concepts when applied to Water and Wastewater Treatment.
- Conduct essential design and operation calculations related to Physico-chemical water treatment principles, technologies and systems.
- Conduct essential design and operation calculations related to Biological wastewater treatment principles, technologies and systems.
- Interpret Air and Soils/Groundwater Contaminant Mass Transport Mechanisms and Models.
- Formulate Reaction Kinetics Concepts and Reactor Design Principles.
- Conduct design and model calculations of Air Pollution Control Units.
- Assess Unit Treatment Technologies and Systems for Soils and Groundwater Remediation and conduct basic design calculations.
- Explain the link between economic development, demographics, and environmental health
- Explain the Environmental Side Agreement under NAFTA and cite original literature that discusses the environmental impact of NAFTA.
- Understanding of the fundamentals of industrial hygiene and occupational health.
- Regulations, PEL's, TLV's
- Oxygen Deficiency, Flammable Liquids, Dust/Fumes/Mists, Typical Operations/Processes
- Hazard Communication Program, Specific OSHA Chemical Standards & Proposed Standards
- Industrial Hygiene Surveys, Direct Reading Instruments
- Air Sampling – Continuous Monitoring
- Control Measures for General and Local Exhaust Ventilation
- Indoor Air Quality & Hazardous Waste & Emergency Response Operations
- Noise and Hearing Conservation
- Radiation Hazards, Biological Hazards, Temperature Extremes, Ergonomics
- Industrial Hygiene Programs
- Evaluate and interpret the functional elements of an integrated solid waste system as described by laws and regulations, engineering and management principles, and properties and sources of solid waste.
- Conduct engineering economics and design calculations related to solid waste storage, collection, transfer, treatment, and disposal.
- Select appropriate technologies and processes to address specific solid waste engineering and management challenges.
- Understand relationship of regulations to subject area
- Supervising EH&S programs
- Identify the legal foundation for environmental compliance issues
- Select preferred laboratory testing procedures for specific classes of contaminants
- List response priorities for emergency response
- Analyze disasters and emergencies using elements of Comprehensive Emergency Management.
- Identify air and water quality standards