**Katie A. Shelton**

[kashelton17@gmail.com](mailto:kashelton17@gmail.com) or (224) 565-3235

63 Mascoma Street, Lebanon NH 03766

**OBJECTIVE**

*Enthusiastic, flexible candidate with 4 years of work experience in recording, interpreting and analyzing data in a fast-paced environment, a natural attention to detail, and strong organizational and interpersonal skills, seeking data analytic opportunities.*

**WORK EXPERIENCE**

**Research Chemist – FreshAir Sensor**, Lebanon NH, January 2017 – Present

* Work independently to develop cotinine (main metabolite of nicotine) specific sensor product, H2S sensor product and collaboratively with team to improve already developed sensor products
* Day to day: Make sensors using several techniques, printing, spin coating, drop casting; setup testing chambers and methods to test sensors; use instruments, mainly UV-Vis spectrometer for sample analysis
* Interpret data using statistical techniques and provide reports with data visualizations to present data information on product to managing team
* Develop and improve data collection and procedures using skills in python
* Clear communication skills aimed at understanding demanding project requirements and providing corresponding services
* Trained interns in chemistry department on procedures and techniques

**Website Design Experience** Summer/Fall 2016

* Designed and implemented a website for the [Holy Rosary School childcare program](https://p2518966.wixsite.com/childcare) in Kewaunee, WI (p2518966.wixsite.com/childcare)
* Designed and implemented a website for the [Kewaunee Fitness Center](https://www.kewauneefitness.org/) in Kewaunee, WI (kewauneefitness.org)

**Research Assistant – Analytical Chemistry**, Bucknell University, Spring 2016

* Worked collaboratively with Department Chair to create a teaching lab for a lower level chemistry course analyzing ingredients in different types of sodas using HPLC
* Responsible for creating, analyzing and distributing organized data to students and faculty

**Research Assistant – Environmental Chemistry**, Bucknell University, May-July 2014

* Researched interactions of nanoparticles with various forms of clay; Presented a poster at end of internship
* Experience in various chemistry labs and using state of the art instruments such as XRD and mass spectrometer.

**Sales Associate, Target** June 2015 to December 2016, Green Bay, WI and Glenview, IL

* Managed inventory and attended to the needs of customers to ensure satisfaction
* Trainer to junior employees

**EDUCATION**

**Bucknell University, Lewisburg, PA, Bachelor of Science in Chemistry**, May 2016

• Relevant classes: Computer Science (Python), Analytical and Physical Chemistry, Calculus 1, 2 and 3

**Bucknell University, Lewisburg, PA, Bachelor of Arts in German**, May 2016

• Study Program Abroad: Berlin, Germany: All classes taught in German

**Relevant Online Coursework**

• Completed Google IT Support Professional Certificate through Coursera November 2020

• Completed Python for Data Science and AI by IBM through Coursera May 2020s

**ACTIVITIES**

**Upper Valley Rugby Club,** Spring 2018 – Present

**Chicago Marathon**, (October 2019) Raised over $3000 for National MS Society

**Bucknell Symphony Orchestra**, (Fall 2012 – Spring 2016) Semi-professional violin player: 1st Violin

**Chi Omega Sorority, Bucknell University,** Member since October 2013

**COMPETENCIES**

**Technical skills**: *Python and SQL programming languages,* *Microsoft Office* (Access, Excel, Word, PowerPoint), *Arduino, Soldering* ***Laboratory skills:*** *UV-Vis, centrifuge, HPLC, XRD*

***Other competencies:*** *Excellent* *time management*, *organizational skills, attention to detail and strong writing skills*