

Benjamin P. Cayton

304-638-9603
cayton10@live.marshall.edu
<https://github.com/cayton10>

564 Fairwood Rd.
Huntington, West Virginia 25705
<https://www.linkedin.com/in/bencayton/>

Education

Marshall University, Bachelor of Science: Computer Information Technology
Huntington, West Virginia
Spring '20 President's List: 4.0 GPA
Fall '20 President's List: 4.0 GPA
Graduation (projected): May 2021

Marshall University, Bachelor of Science: Geology
Huntington, West Virginia
Graduation: 2016

Relevant coursework in: MySQL Database Design, Database Programming with PostgreSQL, C++ Data Structures, Web and Mobile Application Development, and Principles of Software Engineering

Fundamental knowledge of:

- Object Oriented Programming with C++, C# .Net Core, and PHP
- Dynamic web site design leveraging Bootstrap, jQuery, and PHP
- Source control using Git and GitHub
- Database design and query leveraging MySQL and PostgreSQL
- Configuration of VMWare servers for PostgreSQL Databases
- Configuration of Docker containers for local development environments
- Working knowledge of UNIX and Windows operating systems

Projects

- [My Variety Store](#):
 - This project is still in development and is my semester project for my CIT410: E-Commerce course.
 - I have, to this date, implemented roughly 70% of the functional objectives required.
 - Source code and documentation can be found using the above link.
 - All object classes apart from the DB database class were written by me.
 - You can view the site on a functional test server [here](#).
- [Currency Converter](#):
 - This tool was built for Dupont Human Resource professionals whom are responsible for moving employees across international state borders. Eliminates

- time for researching currency values and conducting conversion.
 - Currency Converter was expanded from a previous project which was designed to familiarize myself with leveraging REST APIs and consumption of JSON data.
 - This project retrieves data from one API in order to process data from another.
 - The theme was built from the ground up using the Bootstrap V.4 framework and jQuery / jQuery UI JavaScript libraries.
 - [Test](#) it yourself.
- [Paycheck\\$](#):
 - Paycheck\$ was built to satisfy the requirements of my first PHP project in Web Programming II. The application serves to calculate a user's net pay for a bi-weekly pay period.
 - The requirements for this application were to perform the appropriate mathematic functions based on pay rate (\$ per hour) and hours worked. The application calculates tax deductions, overtime, gross, and net pay on a bi-weekly pay schedule.
 - I added functionality to the base application by providing an option to calculate deductions and net pay on a salary basis as opposed to hourly. I also added the function to report deductions and earnings on a weekly and bi-weekly basis.
 - A local MAMP server was configured and employed in order to test during development processes. I developed a working knowledge of how PHP can create dynamic HTML content based on user input as well as how to use a MAMP development server.
 - You can [view](#) the site on a testing server.

Work Experience

Navigator Environmental & Technical Services, Inc. Geologist I

Morgantown, West Virginia

December 2017 to July 2019

- Responsible for the liaising between engineers, client stakeholders, and third-party contractors to develop technical solutions for client needs.
- Hydrogeologic research and drilling plan management.
- Coordinating with drilling and aquifer pump testing contractors to facilitate project completion.
- Worked on various water and geotechnical projects for developing infrastructure in Hinton, Alberta, CA.
- Shallow foundation and cut-slope design and testing using RocScience Slide software.
- Hydrogeologic modeling using Visual MODFLOW Flex
- Coal reserve data analysis and geologic modeling.
- Management of geologic data integrity.
- Responsible for writing of Federal Application for Exploration License of Federal coal.
- Phase I Environmental Site Assessment Report Writing.
- GIS Analysis and map creation to support report and application findings.
- Responsible for writing geotechnical section of permitting application for an

experimental deep mine operated by Big Horn Mining in Hinton, Alberta, CA.

**West Virginia Department of Environmental Protection
Environmental Resources Specialist I**

Kanawha City, West Virginia

May 2017 to December 2017

- Landfill Closure Assistance Program (LCAP)
- Assisted LCAP Staff with managing multiple solid waste landfill closure assistance projects including: oversight and coordination of engineering and design, closure cap construction and leachate management, and post closure care and maintenance.
- Assisted LCAP Staff in preparation of numerous project documents for approval including work directives, contract specifications, project budgets, change orders, evaluation of bid proposals, etc.
- Perform on-site inspections to assure project work is completed timely and in accordance with plans, specifications and regulations.
- Coordinated and assisted, when necessary, the inspection and certification of the Above Ground Storage Tanks at assigned landfills.
- Monitoring of the LCAP on-line telemetry systems installed at various LCAP sites and reports any abnormalities to the inspector overseeing that project.
- Managed and trained office assistants in use of WV OASIS web applications.
- Interviewed prospective engineering firms prior to closure activities to validate their respective closure methods and techniques.
- Coordinated installation and specification of new wastewater flow meters at an LCAP site
- Assisted in construction of online digital inspection applications for field use.

References:

Brian Morgan, Former CIT Dept. Chair, Current Associate Dean – Marshall University College of Science

Office Phone: 304-696-6496

E-mail: brian.morgan@marshall.edu

Rachel Vass, PG, CMA, President - Vass Engineering and Mineral Appraisals, PLLC

Former Supervisor at Navigator Environmental & Technical Services, Inc.

Cell: 304-663-9970

Email: rachelvasspg@gmail.com

Kimberly Davidson, PG, U.S. Army Corps of Engineers

Office Phone: 304-399-6944

E-mail: Kimberly.D.Davidson@usace.army.mil