Brenden C. Carruth

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SUMMARY:

- Experienced dispatcher and sales professional seeking to transition into an entry-level role in software development and cyber security.
- 2+ years experience with frontend development programming languages including HTML5, CSS and JavaScript. Familiar with the programming language syntax of React.js and PHP.
- 1 year experience with the object-oriented programming language C++.
- 1 year experience with the scripting programming language Python3. Also possess familiarity with the scripting language Bash.
- 1 year of experience working with relational database management systems such including PostgreSQL and MySQL. Experienced writing queries with the SQL programming language.
- Certified with the CompTIA Security+ certification.

LICENSES AND CERTIFICATIONS:

COMPTIA SECURITY+ | COMPTIA
Issued: May, 2024 | Expires: May, 2027
Relevant Skills: Network architecture and security, vulnerability and threat identification and mitigation, identity and access management and encryption and cryptography.

PROFESSIONAL EXPERIENCE:

CYBERSECURITY SPECIALIST
CARRUTH & SON CONCRETE
APRIL, 2024 - PRESENT
SUPERVISOR: CHARLES D. CARRUTH II (301-870-3560)

- Researched, designed and implemented a security strategy covering the digital security of the auxiliary plant local-area network and half a dozen computer systems and digital devices.
- Actively developing a prototype asset management system utilizing the C++ programming language and a PostgreSQL database to improve data accessibility to authorized company personnel.
- Restructured the network architecture at the company's auxiliary concrete plant location, removing unnecessary and outdated hardware and successfully reducing vulnerable network access points by 40%.
- Installed, configured and utilized the open source Wazuh vulnerability management system on a VirtualBox virtual machine running Ubuntu Linux to reduce the attack surface of critical computer systems by 20%.
- Conducted an investigation into half a dozen suspicious IP addresses with remote connections to critical computer systems. After analysis I created 2 new firewall rules to block potentially dangerous connections.
- Analyzed, identified and successfully prevented over a dozen phishing scam attempts during a company hiring campaign through social media. Utilized the incident to develop documentation and training materials outlining the identification of phishing scams to improve employee preparedness and response.

- Researched, analyzed and reconfigured the 2 web forms on the company website to include security measures that validate and sanitize collected data to protect against spam and DoS attacks through the website.

SALES REPRESENTATIVE / DISPATCHER
CARRUTH & SON CONCRETE
JUNE, 2020 - PRESENT
SUPERVISOR: CHARLES D. CARRUTH II (301-870-3560)

- Oversee the manufacturing of ready-mix concrete at the auxiliary plant location including the management of approximately 8-12 personnel and the equipment necessary for the product's production and distribution.
- Re-designed, developed and deployed the company website improving website visitation to 100+ monthly visitors and raising clicks to contact by over 20%.
- Increased the website visit duration by an average of 3 minutes per visitor and the website visitation via a mobile device by 40%.
- Designed, developed and deployed a company sponsored web application utilizing HTML, CSS and JavaScript that provides 6 unique calculator tools to calculate cubic yardage for specific construction projects.
- Serve as one of the primary contacts for customers within the geographic service area of the auxiliary plant location. Also serve as the primary contact for the auxiliary plant with the headquarters location.
- Maintain accurate and detailed records of incoming production materials and outgoing ready-mix concrete products.

EDUCATION:

UNIVERSITY OF MARYLAND GLOBAL CAMPUS | ADELPHI, MD
Bachelor of Science in Digital Media and Web Technology, August 2023
Honors: cum laude (3.7/4.0) | Dean's List (2022, 2023)

FROSTBURG STATE UNIVERSITY | FROSTBURG, MD
Bachelor of Science in Law and Society, May 2020

JOB RELATED TRAINING:

- Google Cybersecurity Certification Program | Completed April, 2024

PROJECTS:

CYBERSECURITY PORTFOLIO
https://github.com/bccarruth927/google_cybersecurity_portfolio/

- Compiled collection of projects and documentation demonstrating my skills and fundamental knowledge in cybersecurity practices, procedures and tools.
- Demonstrated proficiency in programming languages including Python and SQL.
- Knowledgeable of network architecture, security controls and hardening techniques as well as working with Linux and Windows operating systems.
- Capable of utilizing SIEM tools such as Splunk and Google Chronicle to analyze compiled cybersecurity events.

DIGITAL PORTFOLIO
https://bccarruth927.github.io/portfolio_website/

- Demonstrated proficiency in the fundamentals of Python scripting and object-oriented programming through the development of an RPG style game playable in the computer terminal.
- Developed a web application using HTML/CSS and JavaScript for Carruth & Son Concrete designed to assist potential customers with little to no experience ordering ready-mix concrete. Actively converting to a React.js web application.
- Demonstrated the fundamental skills in C++ programming through the development of a series of projects including a fully functional Tic-Tac-Toe computer terminal game.
- Developed a C++ console application integrated with a PostgreSQL database that functions as a student management system allowing for interaction with the database.
- Conducted sufficient research into the PHP programming language and collaborated with moderators of the Codecademy Docs open source documentation project to author the term entry for the PHP array_splice() method.

AWARDS:

- Was awarded the Dean's List commendation from the University of Maryland Global Campus for exemplary academic performance in both the 2022 and 2023 academic years.
- Received the first ever Student Employee of the Year Award from Frostburg State University in recognition of leadership, teamwork and customer service capabilities while serving as a Building Manager for the Lane University Center.
- Was awarded the Manager of the Year Award from the Lane University Center after having been nominated by my peers for my leadership and focus on fellow employee's growth and development
- Received the Abraham Lincoln Award from my local chapter of Phi Mu Delta in 2020 in recognition of my dedication to the organization's value of democracy, service and brotherhood and my efforts to aid fellow brothers in endeavors and challenges alike.