Vanessa Rice

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Objective

A Dedicated and ambitious student specializing in Software Development and Cybersecurity. With a strong desire to make a lasting impact in the ever-evolving tech landscape, I am committed to crafting innovative software solutions while prioritizing robust security measures to protect sensitive data

Education

- Keyin College, St. John's, NL

    Software Development Diploma | September 2024

- Skills for Hire Atlantic, Halifax, NS

    Cybersecurity Certificate | November 2023

- Reeves College, Calgary, AB

    Accounting and Payroll Diploma | March 2015

Core Competencies

- **Programming Proficiency:** Proficient in Python, HTML, CSS, and JavaScript
- **UX/UI Design:** Knowledgeable in UX/UI design principles, enhancing user experiences through thoughtful design.
- **Figma:** Proficient in using Figma for designing and prototyping user interfaces.
- **Discord Development:** Actively involved in building projects focused on Discord, showcasing programming expertise for unique user experiences.
- **Ethical Hacking:** Continuously learning and refining skills in ethical hacking and penetration testing, contributing to robust security practices.
- **Problem-Solver:** Thrives on challenges, dissecting complex issues to devise effective and elegant solutions.
- **Collaborative Team Player:** Values teamwork and believes in shared knowledge, fostering innovative outcomes.
- **Passion for Learning:** Driven to stay updated with the latest advancements in both Cybersecurity and Software Development, ensuring relevance in a rapidly evolving tech landscape.
- **Proficient in Trello:** Skilled in using Trello for project management and collaboration.
- **Agile Methodologies:** Experienced in Agile development methodologies, facilitating efficient and iterative software development.
- **Report Generation:** Capable of generating detailed reports to convey insights and findings effectively.
- **Microsoft 365:** Proficient in Microsoft 365 suite, leveraging its tools for productivity and collaboration.

Projects

<u>Portfolio</u>:

- Created and maintained a personal portfolio website to showcase my skills, projects, and experiences.
- The portfolio includes a brief introduction, statistics about my GitHub activity, and a collection of my favorite projects.
- Demonstrated proficiency in web development technologies, including HTML5, CSS3, and JavaScript.
- Continuously updating and expanding the portfolio to reflect my latest work and accomplishments.

<u>Cryptographic Operations Program:</u> developed on September 18, 2023, empowers users with essential cryptographic capabilities:

- Hash Verification: Check file integrity by comparing SHA-256 hashes.
- AES Decryption: Safeguard sensitive data through custom AES encryption.
- Digital Signature Verification: Confirm data authenticity using digital signatures.
- User-Friendly: Simplified interface for easy cryptographic tasks.
- Dependency Management: Seamless setup with automated module installation (e.g., 'pycryptodome').

<u>File Analysis and Detection Tool</u>: developed on September 19, 2023, identifies file types and provides insights into their contents.

- Yara Rules Matching: Implemented Yara rules to accurately classify files as known or 'Unknown' based on predefined rules.
- Import and DLL Analysis: Extracted and analyzed imported DLLs and functions to identify file dependencies and potential vulnerabilities.
- File Section Analysis: Examined file sections, recording permissions and identifying executable sections to reveal file structure and behavior.
- Security Enhancement: Contributed to proactive threat mitigation with rapid file identification.

<u>Final Sprint - HAB Taxi Services:</u> developed on August 18, 2023, implements critical features to optimize the company's operations and financial management.

- New Employee Onboarding: Designed a user-friendly interface for adding new employees, ensuring accurate record-keeping and HR efficiency.
- Financial Reporting: Developed a profit listing report for financial insights, including revenues, expenses, and profit/loss.
- Custom Reporting: Created a tool for individual payment reports, enhancing transparency in financial transactions.
- Technical Skills: Utilized Python for programming, data processing, and reporting, collaborating with team members for integration.
- Time Management: Met project milestones and deadlines during the development period, showcasing effective time management and teamwork.

Experience

September 2023 – Present

Peer Support Tutor | Keyin College | St. John's, NL

- Provided peer-to-peer support in Python programming.
- Assisted fellow students in understanding Python concepts, troubleshooting coding issues, and building coding proficiency.
- Developed personalized learning strategies and materials to simplify complex topics and facilitate effective learning.
- Encouraged critical thinking and problem-solving skills among students, helping them apply Python in real-world scenarios.
- Collaborated with peers, instructors, and individually mentor students to offer tailored guidance.
- Tracked and evaluated student progress, celebrating achievements and identifying areas for improvement.
- Expanded professional network within the programming community, fostering collaborative relationships.

March 2023 – Present

Home Support Worker | A New Beginning Home Support Agency | St. John's, NL

- Applyed exceptional empathy, communication, and attention to detail to understand user needs and create user-centric applications.
- Prioritized data privacy and confidentiality.
- Utilized problem-solving abilities and adaptability to address challenges.
- Contribute effectively in collaborative teamwork environments.

February 2022 – March 2023

Child and Youth Care Worker | Key Assets | Happy Valley-Goosebay, NL

- Applied skills in Crisis Intervention, Teaching, Child Development, and Mental Health Care.
- Handled crisis situations, educate users on best security practices, and understand human behavior.

May 2016 – February 2022

Receptionist/Accounting Technician | Richard J. Power - CMA | Leduc, AB

- Gained expertise in Financial Statements, Account Reconciliation, Payroll Processing, and Bookkeeping.
- Applied financial skills in the cybersecurity domain to secure financial data and protect against financial fraud.
- Utilized strong bookkeeping practices and meticulous record-keeping.