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Joshua Lavian

Student

As an Information Technology student, I have developed a strong foundation in various fields, such as computer programming, database management, networking, and cybersecurity. I am keenly interested in exploring emerging technologies and their potential applications in real-world scenarios. I am well-versed in various programming languages such as Java, Python, and C++, and I have experience working with databases such as MySQL and Oracle. Additionally, I am familiar with network protocols and security best practices. As a proactive learner, I constantly seek new opportunities to expand my skill set and apply my knowledge in practical settings. I am a team player and possess excellent communication and interpersonal skills, which enable me to collaborate effectively with colleagues and stakeholders.

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Relevant Coursework

Programming Languages

Python

- Familiarized myself with the basic syntax and structure of the language.
- Learned how to write simple programs, manipulate strings, and work with variables and data types.
- Explored concepts like control flow, functions, and loops to make my programs more efficient and reusable.
- To practice my skills, I used online resources and coding challenges, which helped me gain practical experience.

C++

- Gained an understanding into the fundamental concepts of object-oriented programming.
- Learned about data types, control structures, functions, and pointers.
- Worked with arrays and strings, and explored file input and output.
- Practiced my skills, by completing coding challenges and participating in class projects. I also used online resources and textbooks to deepen my understanding of the language.

JAVA

- Got familiar with the basic syntax and structure of JAVA programming, such as variables, data types, control structures, and object-oriented programming concepts.
- Gained an understanding into the different types of data structures such as arrays, linked lists, stacks, and queues, and how to implement them in JAVA.
- Learned how to create classes and objects in JAVA and worked with constructors, methods, and inheritance.
- Implemented searching and sorting algorithms, recursion, and graph theory.

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- Explored how to work with databases using JDBC and how to use Object Relational Mapping (ORM) frameworks such as Hibernate.

Proficiencies

Education

SQL

West Los Angeles College

2019-2021

Associate of Arts in Math, Science, and Computer Science

Worked with the basic syntax and structure of SQL statements, such as SELECT, INSERT, UPDATE, DELETE, and JOIN.

- Learned about the different data types in SQL, such as VARCHAR, INT, DATE, and BOOLEAN, and how to use them.
- Practiced creating and modifying tables using SQL statements and learned about data normalization.
- Learned about indexing and optimizing queries for performance.

California State University Northridge

2021-2024

Bachelor of Science in Computer Information Technology

Worked with different database management systems (DBMS) such as MySQL, Oracle, and Microsoft SQL Server.

2021-2024

Minor in English Literature

2021-2024

ASM

- Learned about the basic architecture of a computer and how it executes programs.
- Practiced writing simple programs in ASM, such as arithmetic operations, conditional statements, and loops.
- Explored how to interface ASM code with high-level languages such as C and C++.
- Worked with interrupts and how to write interrupt service routines in ASM.

Let's Keep in Touch!

Security



- Identify and assess potential cyber security risks and vulnerabilities in their own systems and networks.
- Develop and implement effective security strategies and policies to protect data and systems.
- Evaluate and select appropriate security tools and technologies to protect their systems and networks.

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awareness and responsibility.

Firewall Management

- Set up and configure firewalls to control access to their network and protect against unauthorized access and malicious attacks.
- Monitor firewall logs and events to identify potential security threats or breaches and take appropriate action.
- Implement firewall rules and policies to allow or block traffic based on specific criteria, such as IP addresses, ports, or protocols.
- Ensure that firewalls are updated with the latest security patches and software updates to protect against newly identified vulnerabilities.