CURRICULUM VITAE – ADRIAN MARTIN

Contact Information

Adrian Martin
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Summary

I have twenty-three certificates in various sectors of technology including computer programming, computer hardware, networking and security. I also have experience in customer service due to my IT Helpdesk internship and workplace experience. I am currently a student at Cal State Dominguez Hills and my expected graduation date is May 2021.

Education

Bachelor of Science in Information Technology, Expected May 2021
California State Dominguez Hills
1000 E. Victoria Street, Carson, CA 90747
310.243.3696 (Phone)
Dates Attended: September 2018 – Present
CSUDH GPA: 3.739 out of 4.000

Transfer, Conferred 2018
Fullerton College
321 East Chapman Avenue
Fullerton, California 92832
714.992.7000 (Phone)
Dates Attended: September 2012 - May 2018
Overall cumulative GPA 3.24 out of 4.00

High School Diploma, Conferred May 2012
Savanna High School
301 N Gilbert St,
Anaheim, CA 92801
714.220.4262 (Phone)
Dates Attended: August 2008 – May 2012

Education – Certificates

- **Blockchain Essentials - BC0101, CognitiveClass.ai, March 2020 Completed**

  Module 1 - What is Blockchain? - Business networks; Assets; Ledgers, Transactions and Contracts; The problem with existing networks; How blockchain solves this problem; Different types of blockchain; Requirements of a blockchain for business

  Module 2 - Example Blockchain Networks - Overview of active networks; TradeLens - Improving global trade; IBM Food Trust - Supply chain transparency; IBM World Wire - Global payments; Decentralised and trusted identity; Further examples by industry; Key players for

blockchain adoption
Module 3 - IBM and Blockchain - How IBM can help with a blockchain project; IBM's blockchain strategy; The IBM Blockchain Platform; The Linux Foundation's Hyperledger project; Hyperledger Fabric; Continuing your blockchain journey
Demo - Vehicle Lifecycle Demo; Transfer assets in blockchain
See certificate
https://courses.cognitiveclass.ai/certificates/42856736c95d404f85c4337cb774bdb9

- **Python for Data Science - PY0101, CognitiveClass.ai, March 2020 Completed**
  Module 1 - Python Basics - Your first program; Types; Expressions and Variables; String Operations
  Module 2 - Python Data Structures - Lists and Tuples; Sets; Dictionaries
  Module 3 - Python Programming Fundamentals - Conditions and Branching; Loops; Functions; Objects and Classes
  Module 4 - Working with Data in Python - Reading files with open; Writing files with open; Loading data with Pandas; Working with and Saving data with Pandas
  See certificate https://courses.cognitiveclass.ai/certificates/7d58049000ac4f2c971c8d88a31ec7b1

- **SQL and Relational Databases 101 - DB0101, CognitiveClass.ai, March 2020 Completed**
  Module 1 -SQL and Relational Databases 101 - Introduction to SQL and Relational Databases; Information and Data Models; Types of Relationships; Mapping Entities to Tables; Relational Model Concepts
  Module 2 - Relational Model Constraints and Data Objects - Relational Model Constraints Introduction; Relational Model Constraints Advanced
  Module 3 - Data Definition Language (DDL) and Data Manipulation Language (DML) - CREATE TABLE statement; INSERT statement; SELECT statement; UPDATE and DELETE statements
  Module 4 - Advanced SQL - String Patterns, Ranges, and Sets; Sorting Result Sets; Grouping Result Sets
  Module 5 - Working with multiple tables - Join Overview; Inner Join; Left Outer Join; Right Outer Join; Full Join
  See certificate https://courses.cognitiveclass.ai/certificates/f3cf21858c1b4ea081732f510f5ac196
- **Introduction to Data Structures & Algorithms in Java, Conferred March 2020**
  LinkedIn Learning, Online
  1. Introduction to Algorithms

2. Analysis of Algorithms
3. Basic Sorting and Search Algorithms
4. Linked Lists
5. Stacks and Queues
6. Recursion
7. Binary Search Trees
8. More Sorting Algorithms
9. Heaps
10. Hashtable

See certificate under Licenses and Certifications: https://www.linkedin.com/in/adrian-martin-0906a4bb/

- **Programming Foundations: Data Structures, Conferred March 2020**

  LinkedIn Learning, Online

  1. Introduction to Data Structures
  2. Arrays
  3. Lists
  4. Stacks and Queues
  5. Hash-based data structures
  6. Trees and Graphs

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- **CompTIA Network+ (N10-007) Cert Prep: 1 Understanding Networks, Conferred February 2020**

  LinkedIn Learning, Online

  1. What is a model?
  2. OSI model vs TCP/IP model
  3. Walking through OSI and TCP/IP
  4. Meet the frame
  5. The MAC address
  6. Broadcast vs Unicast
  7. Introduction to IP addressing
  8. Packets and Ports

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- **Networking Foundations: Servers, Conferred February 2020**

  LinkedIn Learning, Online

  1. Server Architecture

2. Server Administration
3. Storage
4. security
5. Networking
6. Disaster recovery
7. Troubleshooting

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- **Networking Foundations: Protocols and CLI Tools, Conferred November 2019**

  LinkedIn Learning, Online

  1. Protocol basics
  2. Networking protocols
  3. Command line (CLI) Tools

  See certificate under Licenses and Certifications: https://www.linkedin.com/in/adrian-martin-0906a4bb/
- **Cybersecurity Awareness: Social Engineering, Conferred September 2019**

  LinkedIn Learning, Online

  1. Getting Started
  2. Tactics
  3. Best Practices

  See certificate under Licenses and Certifications: https://www.linkedin.com/in/adrian-martin-0906a4bb/
- **Networking Foundations: Network Media (LANs), Conferred November 2019**

  LinkedIn Learning, Online

  1. Copper Cable
  2. Wireless LAN
  3. Wireless LAN Security Considerations
  4. Fiber-Optic Media

  See certificate under Licenses and Certifications: https://www.linkedin.com/in/adrian-martin-0906a4bb/
- **Networking Foundations: IP Addressing, Conferred October 2019**

  LinkedIn Learning, Online

  1. The Basics of Numbering Systems Used in Networking
  2. Understanding Addressing
  3. IPv4 Addressing
  4. IPv6 Addressing
  5. Name and IP Address Resolution Techniques

6. Other Concepts Related to Addressing

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- **Communication within Teams, Conferred October 2019**

  LinkedIn Learning, Online

  1. Foundations of High-Performing Teams
  2. Essentials for Strong Team Communication
  3. Modes of Team Communication

  See certificate under Licenses and Certifications: https://www.linkedin.com/in/adrian-martin-0906a4bb/
- **Networking Foundations: Networking Basics, Conferred October 2019**

  LinkedIn Learning, Online

  1. Network Topologies
  2. Network Implementations
  3. OSI Model
  4. TCP/IP Model
  5. Commonly Used Network Devices

  See certificate under Licenses and Certifications: https://www.linkedin.com/in/adrian-martin-0906a4bb/
- **Cybersecurity Awareness: Malware Explained, Conferred October 2019**

  LinkedIn Learning, Online

  1. Malware Background
  2. Malware Risks and Implications
  3. Protection from Malware

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- **Cybersecurity Awareness: Safer Digital Communications, Conferred October 2019**

  LinkedIn Learning, Online

  1. Protecting Your Identity
  2. Dangers on the Internet
  3. Data Scrambling
  4. Complacency and Policy

  See certificate under Licenses and Certifications: https://www.linkedin.com/in/adrian-martin-0906a4bb/
- **Introduction to Screencasting, Conferred October 2019**

  LinkedIn Learning, Online

  1. About Screencasting

2. Camtasia Studio
3. Articulate Studio
4. Articulate Storyline
5. Lectora
6. Adobe Captivate

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- **Cybersecurity Awareness: The Internet of Things (IoT) , Conferred September 2019**

  LinkedIn Learning, Online

  1. The Internet of Things
  2. Protective Measures

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- **Writing a Research Paper, Conferred September 2019**

  LinkedIn Learning, Online

  1. Examining Types of Research Papers
  2. Preparing to Write
  3. Writing the Paper
  4. Citing Sources

  See certificate under Licenses and Certifications: https://www.linkedin.com/in/adrian-martin-0906a4bb/
- **Information Literacy, Conferred September 2019**

  LinkedIn Learning, Online

  1. Types of Resources
  2. Search Strategies
  3. Resource Evaluation
  4. Ethical Use of Information
  5. Citation
  6. Information Literacy for Art and Design

  See certificate under Licenses and Certifications: https://www.linkedin.com/in/adrian-martin-0906a4bb/
- **Big Data Foundations: Techniques and Concepts, Conferred September 2019**

  LinkedIn Learning, Online

  1. What is Big Data?
  2. How is Big Data used?
  3. Big Data and Data Science
  4. Ethics in Big Data

5. Sources and Structures of Big Data
6. Storing Big Data
7. Preparing Data for Analysis
8. Big Data Analysis

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- **Time Management Fundamentals, Conferred September 2019**

  LinkedIn Learning, Online

  1. Laying the Productivity Groundwork
  2. Obstacle to Productivity
  3. Productivity Principle 1: Space
  4. Productivity Principle 2: Mind
  5. Productivity Principle 3: Time
  6. Equipping Yourself for Action
  7. Gathering to the Inbox
  8. Understanding Processing
  9. Processing Email
  10. Your Time Budgeter

  See certificate under Licenses and Certifications: https://www.linkedin.com/in/adrian-martin-0906a4bb/

- **Digital Citizenship, Conferred August 2019**

  LinkedIn Learning, Online

  1. Digital Footprint
  2. Digital Etiquette
  3. Digital Access
  4. Online Rights and Responsibilities
  5. Digital Safety and Security
  6. Digital Commerce

  See certificate under Licenses and Certifications: https://www.linkedin.com/in/adrian-martin-0906a4bb/

- **Internet Safety for Students, Conferred August 2019**

  LinkedIn Learning, Online

  1. Understanding Internet Safety
  2. Protecting Yourself Online

  See certificate under Licenses and Certifications: https://www.linkedin.com/in/adrian-martin-0906a4bb/

Employment

Organization | Position

Anaheim Arena Management — **Public Safety Officer**

Anaheim Regional Transportation Intermodal Center (ARTIC)
2626 E Katella Ave
Anaheim, CA 92806
714.790.4102 (Phone)
Dates: July 2019 – Present

Allied Universal — **Security Supervisor**

Anaheim Regional Transportation Intermodal Center (ARTIC)
2626 E Katella Ave
Anaheim, CA 92806
714.790.4102 (Phone)
Dates: October 2018 – June 2019

Allied Universal — **Security Professional**

Anaheim Regional Transportation Intermodal Center (ARTIC)
2626 E Katella Ave
Anaheim, CA 92806
714.790.4102 (Phone)
Dates: August 2018 – October 2018

Allied Universal — **Security Professional**

Wyndham Hotel & Resort
17941 Von Karman Ave
Irvine, CA 92614
949.863.1999 (Phone)
Dates: June 2018 – August 2018

McDonalds — **Crew Member**

740 N Euclid St
Anaheim, CA 92801
714.776.7290 (Phone)
Dates: August 2012 – June 2018

Military Service - Not Applicable

Community Service
OC Greek Festival
405 N Dale Ave
Anaheim, CA 92801
714.827.0181
Dates Served: August 2008 – May 2012 12 hours annually

Additional Experience

- **Azure Active Directory – add custom domain, add new user to domain**
- **VMWare**
- **CSC 459: Security Engineering** **CSUDH Jan 2021 – May 2021**
    - An adequate knowledge about threat, vulnerability, attack and countermeasure.
    - Gain a deep understanding of cryptography and its methods
    - Have a theoretical understanding of web security
    - Understand the purpose of Kerberos, TSL, SSL and HHTPS.
    - Mail security and its application.
    - Explain the network attack, firewall and applications.
    - Discuss recent attacks and data breaches.
- **CSC 469: Computer Graphics** **CSUDH Jan 2021 – May 2021**
    - Understand the REYES rendering algorithm, local illumination (BRDFs), and path tracing.
    - Formulate programs to produce scenes and geometry
    - Write surface shaders to compute the color of objects
    - Learn a rendering API (RenderMan) and the associated computer graphics, as a foundation for assimilating additional APIs.
- **CSC 492: Senior Design** **CSUDH Jan 2021 – May 2021**
    - Do research regarding any computer science topics
    - Create summaries of articles
    - Make presentations
    - Learn how to communicate with other team members, and complete the design, implementation, and the written report for the project.
- **CTC 362: Comm Systems Security** **CSUDH Aug 2020–Dec 2020**
    - Identify and prioritize information assets.
    - Identify and prioritize threats to information assets.
    - Define an information security strategy and architecture.
    - Plan for and respond to intruders in an information system
    - Describe legal and public relations implications of security and privacy issues.
    - Present a disaster recovery plan for recovery of information assets after an incident
    - Identify resources available from Federal Government and Private Industry which can help address Information Assurance and CyberSecurity Issues.
- **CSC 453: Data Management** **CSUDH Aug 2020–Dec 2020**
    - Familiarize with the general concepts of data management, database, relational database, data modeling, database query, database design, and database implementation;
    - Master the skills of using structured query language (SQL) to query relational databases with various forms and enhancements;

- Understand the relational model and normalization, including various normal forms;
- Be able to use normalization to design relational databases;
- Be able to use entity-relationship (ER) model to model real-world data and transfer data models into database designs;
- Be able to construct database using data description language (DDL) and manage database using data management language (DML); and
- Know how to redesign database from existing database using reverse database engineering.
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- **CSC 495: Selected Topics: Machine Learning CSUDH Aug 2020–Dec 2020**
  - Familiarize with the general process of machine learning and data mining process;
  - Master the skills of frequent pattern mining, and pattern and rule assessment;
  - Master the skills of unsupervised machine learning, various clustering algorithms, and clustering validation
  - Master the skills of supervised machine learning, various classification algorithms, and classification assessment;
  - Understand the concepts of neural networks and deep learning.
- **CTC 310: IT Project Management CSUDH Jan 2020–May 2020**
  - Understand and apply various Development Methodologies
  - Determine the best Development Methodology for a given project or program
  - Develop Requirements
  - Understand and apply project organization
  - Define Project Scope
  - Understand and apply schedule and cost planning
  - Apply Earned Value
  - Be able to perform Quality Management and Measurement
  - Understand Risk Management and Measurement
  - How to manage stakeholders
  - Comprehend and apply Procurement Management
- **CTC 452: Network Security and Hacking CSUDH Jan 2020–May 2020**
  - Describe common attack threats
  - Describe the network security components that make up a layered defense configuration
  - List the essential activities that need to be performed in order to protect a network
  - Decide how to minimize risk in a network
  - Explain what makes an effective security policy
  - Explain the “what, why, and how” of virtual private networks (VPNs)
  - Design common firewall configurations
  - Establish a set of application rules and restrictions for a firewall

- Describe intrusion detection system components
- Understand options for configuring intrusion detection systems
- Know the issues involved in choosing an intrusion detection system

- **CTC 316: OS and Networks Support** **CSUDH Jan 2020–May 2020**
  - Introduction to zOS & the Mainframe Environment (Batch, JCL, JES2, JES3, SDSF, TSO/ISPF, USS), Application Programming, Online Workloads (CICS, DB2, IMS, MQ, WAS) and System Programming (Catalogs, Exits, PARMLIB, SMPE).
  - zOS Network topics include Introduction to Networking, TCP/IP Implementation, SNA & SNA/IP Implementation (APPN, TN3270) and Network Operations & Administration.
  - Students gain hands on zOS experience by using TSO/ISPF during lab exercises.
  - Additional topics include APARs vs. PTFs, Application Development Lifecycle, Atomicity Consistency Isolation Durability (ACID), Character Sets (ASCII, DBCS, EBCDIC, Unicode, UTF-8), Commit vs. Roll Back, CPC vs. LPAR, Database Management System DBMS (CA-DATACOM, CA-IDMS, DB2, IMS), Data Link Switching (DLSw), Dynamic Address Translation (DAT), Dynamic Routing Protocols (Routing Information Protocol RIP, Open Shortest Path First OSPF), Enterprise Extender (EE), Ethernet vs. Token Ring, External Security Manager ESM (CA-ACF2, CA-TopSecret, IBM Resource Access Control Facility RACF), ESM vs. SAF, Mean Time Between Failures (MTBF), Mean Time To Recover (MTTR), Network Types (Extranet, Internet, Intranet), Online Transaction Processing OLTP (CICS, IMS), OSA Channel Types, Paging vs. Swapping, Program Status Word (PSW), Reliability Availability Serviceability (RAS), Secure System Design Principles Primary Groups (Structure, Logic and Function, System Life Cycle), Scalability, Single Point of Control (SPOC), Single Point of Failure (SPOF), Storage (Direct Access Storage Device DASD, Single Large Expensive Disk SLED, Just a Bunch Of Disks JBOD, Redundant Array of Independent Disks RAID, Redundant Array of Independent Memory RAIM), Total Cost of Acquisition (TCA), Total Cost of Ownership (TCO), Virtual Private Network (VPN), WiFi, WiMAX.
  - Students are encouraged to attend Southern California Information Technology User Group meetings.
- **CSC 311: Data Structures** **CSUDH Jan 2020–May 2020**
  - Overview, Measure of Algorithm’s complexity, Arrays, Linked List, Stacks, Queues, Recursion, Sorting, Trees, Hash Tables, Graphs

- An ability to analyze a problem, and identify and determine the computing requirements appropriate to its solutions
- An ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs
- An ability to use current techniques, skills and tools necessary for computing practice
- An ability to apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computer-based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices

- **CTC 228: Intro to OS and Networks** **CSUDH Aug 2019 – Dec 2019**
  - Introduction to Computer Networks
  - Network Hardware Essentials
  - Network Topologies and Technologies
  - Network Media
  - Network Protocols
  - Network Reference Models & Standards
  - Network Hardware in Depth
  - Network Operating System Fundamentals
  - Server Management & Administration
  - Introduction to Network Security
  - Supporting a Small-business Network
  - Network Management and Administration
  - Wide Area Network & Troubleshooting
- **ITC 251: System Program in C & Unix** **CSUDH Jan 2019 – May 2019**
  - Have a more in-depth understanding of computer hardware and operating systems.
  - Be able to program in the C programming language.
  - Be comfortable using UNIX based operating systems.
  - Know how to use common C and GNU/UNIX development tools.
  - Be able to write moderately complex C programs utilizing common UNIX/POSIX system calls.
- **CSC 255: Dynamic Web Programming** **CSUDH Jan 2019 – May 2019**
  - HTML/XHTML
  - Cascading Style Sheets
  - The Basics of JavaScript
  - JavaScript and HTML Documents
  - Dynamic Documents with JavaScript

- Introduction to XML
- Introduction to PHP
- Introduction to Ajax
- Java Web Software
- Introduction to ASP.NET

- **CSC 123: Intro to CSC and Programming II CSUDH Jan 2019 – May 2019**
  - Fundamental programming concepts using arrays, records, pointers, linked list, trees and recursion
  - Good style, documentation and structure
  - Introduction to analysis of algorithms for efficiency and correctness
- **CSC 116: Computer Hardware & Tools CSUDH Jan 2019 – May 2019**
  - Describe and install the hardware and software required to be able to communicate across a network.
  - Describe, compare and contrast network communications using two examples of layered models.
  - Describe the physical, electrical, and mechanical properties and standards associated with copper media used in networks.
  - Describe the physical, electrical, and mechanical properties and standards associated with optical media used in networks.
  - Describe the standards and properties associated with the transmission and reception of wireless signals used in networks.
  - Describe the principles and practice of switching on an Ethernet network.
- **CSC 301: Computers and Society CSUDH Aug 2018 – Dec 2018**
  - General understanding of complex societal issues related to and/or caused by computers and their rapid proliferation.
  - Basic knowledge of legal and ethical principles and codes that apply to these issues
    - recognize professional responsibilities
    - make informed judgments in computing practice based on legal and ethical principles.
    - ability to research, analyze, and criticize positions and opinions about issues.
- **ITC 101: Introduction to IT CSUDH Aug 2018 – Dec 2018**
  - Provide a working introduction to computer hardware, software, ethics and Internet by using a personal computer.
  - Become aware of the effect of Information Technology (IT) today and in the future.
  - Develop an understanding of hardware peripherals and their purpose
  - Use hands on approach to learn and use a variety of software applications such as word processing, spreadsheets, databases, multimedia, presentation techniques
  - Become familiar with the issues and implications of IT Security and Risks, at home, work, and school.

- Recognize ethical implications related Computers and Information Technology

- **CSCI 133: Data Structures in C++ Fullerton College Jan 2016 – May 2016**
  - C++/CSci 123 review. How to write code in C++, how to use classes, how to use the standard library.
  - The vector data structure and asymptotic analysis. Other fundamental data structures: lists, stacks, queues.
  - Sorting and searching.
  - Binary search trees, maps, balanced trees.
  - Hashing and hash tables. Hash functions and applications.
  - Operations on text: matching patterns and parsing expressions.
  - Graphs, directed-acyclic graphs, graph algorithms.
  - Advanced topics (TBA, but might include multithreading and parallel algorithms, cache-aware algorithms, and other fun stuff)
- **CIS 226: Java Programming I Fullerton College Aug 2015 – Dec 2015**
  - Design, create, and debug Java programs
  - Syntax of Java programming language
  - Design programs using Object Oriented Analysis
  - Create programs that run over the Internet
  - Create stand along applications

- **CSCI 123: Intro to Programming Concepts in C++ Fullerton College Aug 2015 – Dec 2015**
  - Basic Principles of programming using C++ as the development tool
    - Structure and design of algorithms
    - Input/output
    - Branching structures
    - Functions, Recursions
    - Built-in data types
    - Arrays, Structures, Files
    - Pointers and elementary operations on linked structures
    - Object-oriented programming paradigm
      - Encapsulation, polymorphism, libraries
      - Streams, inheritance, and abstract data types
    - Design algorithms, write external and internal documentation
    - Design and write source code in C++

- **CIS 154: Javascript Programming** **Fullerton College Aug 2013 – Dec 2013**
  - Design and create a JavaScript program that lets the user interact with a Web page
  - Create an HTML page that contains one or more JavaScript functions
  - Load and display HTML pages that include JavaScript commands
  - Edit a nonworking JavaScript program so that it runs without error
  - Creates a JavaScript program that displays input controls on an HTML page and allows the user to submit data to a Web page
  - Create a JavaScript program that reads user input data based on the contents of the data and perform alternate actions

- **CIS 157: Dreamweaver I** **Fullerton College Jan 2013 – May 2013**
  - Create web pages using predesigned layouts or by creating your own
  - Design web pages for mobile phones, tablets, and desktop computers
  - Add text, mages, and other elements to your pages
  - Embed or link to audio or video files from your page, including from YouTube, Vimeo, and SoundCloud
  - Recognize and write basic HTML for your pages – even though you don't have to
  - Create and use HTML tables
  - Use CSS to apply styles to your pages and site, and also to create interactive features
  - Add forms to your web pages for visitors to fill out
  - Publish your website to the web

- **CIS 152 – Web Design II (HTML)** **Fullerton College Aug 2012 – Dec 2012**
  - create the necessary skeleton for Web pages using current standards for HTML version 4.0
    - use HTML code to format text and other content
    - insert and control alignment of images
  - Create text, image, and button hyperlinks
    - create internal bookmarks
  - create, edit and format tables
    - understand the uses for tables in Web page structure and design
  - understand uses for and create different list types
  - understand and create Form elements and retrieve submitted form data
  - create a series of Web pages using Frame
    - provide no-frames options

- create and use simple cascading style sheets (in-line, document level, and external)
- download and insert simple java-script code (applets) into an existing Web page
- proofread and edit code
- understand current ADA standards for college-based Web sites (including sites hosted by the FC server)

Other Job Related Activities

IBM MASTER THE MAINFRAME CONTEST 2019

Data Representation (ASCII, binary, bit, byte, decimal, EBCDIC, hexadecimal, nibble, octal, Packed Decimal, Unicode), Data Set Names Types and Attributes, Data Set Space and Disk Storage Extents, DB2 SQL (Structured Query Language), IBM File Manager Product, IBM z14, ISPF (Jump, Navigation, PF Keys, Submitting Jobs, Terminate ISPF), ISPF 3.4 DSLIST (Accessing USS/zOS Files/Datasets, Line Commands b/co/e/v, Verifying USS/zOS Files/Datasets Exist), ISPF Editor (Editing PDS Members, Editing PS Dataset, Line Commands cc/dd, Primary Commands Bot/Change/Cols/Copy/Hex/Replace/Reset/Top), Submitting Jobs), JCL (Identifying/Correcting JCL Errors), PDS (Partitioned Data Set), PDSE (Partitioned Data Set Extended), PS (Physical Sequential Data Set), Relationship between Programs and JCL, SDSF (Primary Commands Owner/Prefix/Status, Line Commands p/s/?/xdc), Sort Utility Program (Understand/Modify Sort Control Statement, Understand Sort JCL Statements), SPUFI (SQL Processor Using File Input), Telnet 3270 Emulator (Vista tn3270), TSO (Changing Password, Entering Commands, Logging On/Off, Submitting Jobs), Utility Programs (BPXBATCH, IDCAMS, IEBCOPY, IEBGENER, IEFBR14, IKJEFT01), VSAM (Virtual Storage Access Method) Data Sets (ESDS, KSDS, LDS, RRDS), Web Browser Client, zOS Batch Jobs, zOS USS (Copying from USS File to ZOS Dataset, File Systems, OMVS command, Redirection, Shell Commands cat/chtag/iconv/ls/man/rm/uname, STDERR, STDIN, STDOUT, STDPARM).