Dan Shen

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SUMMARY

Graduating my master's degree in IT at Southern New Hampshire University in March 2021 (GPA 4.0). Looking for opportunities such as System Analyst, Consultant, Product Owner, Business Analyst, Entry-level Software Developer, and Project Manager in Austin TX area. No Need Sponsorship for H1B or Green Card.

CORE COMPETENCIES

System Analysis | Relational Database | Technical Communication | Project Management | Business Analytics | Data Visualizations | Front-End Web Development | Information Security | Web Analysis | Agile Methodology | Software Development Life Cycle

EDUCATION

Master of Science in Information Technology   **Dec 2018- Mar 2021**
Southern New Hampshire University, New Hampshire   **GPA-** 4.0

Master of Music in Music Education   **Aug 2016**
University of Toledo, Ohio   **GPA** -3.7/4.0

Related Coursework

Operating System | Object-Oriented App Development (Java) | Technical Communication | Advanced Information Technology | | Core Technologies | Information Technology Project Management | Database Management Systems

TECHNICAL SKILLS

Languages: Java, Python, SQL, PL/SQL
Tools and Technologies: MS Project, Java Studio, MS Visio, NetBeans IDE, Eclipse, MS Excel, MS SQL Server, Tableau
Web Technologies: HTML, CSS, JavaScript
Databases: MySQL, MS SQL Server

CERTIFICATIONS

Certificate of Completion: Business Analytics Nanodegree | Python Course | Front End Web Developer Nanodegree | Java Course
Indeed Assessments: Highly Proficient on Business Analyst, Project Management, Analyzing Data, Management & Leadership, Cognitive ability, Problem Solving, Workstyle: Conscientiousness, Workstyle: Reliability, Project Timeline Management etc.

STUDY EXPERIENCE

Graduate Student in Information Technology   **Dec 2018-Present**
Learning to

- Analyze users' needs, then design, test, and develop software to meet those needs.
- Recommend software upgrades for customers' existing programs and systems.
- Design each piece of the application or system and plan how the pieces will work together.
- Create a variety of models and diagrams (such as flowcharts) that instruct programmers how to write the software code.
- Ensure that the software continues to function normally through software maintenance and testing.

Front End Web Development Student   **June 2016- June 2017**
Learned to

- Build and develop a variety of websites and applications.
- Construct responsive websites using CSS, Flexbox, and CSS Grid, develop interactive websites and UI (User Interface) applications using JavaScript and HTML and connect a web application to backend server data using JavaScript.
- Build competency automating application build and deployment using Webpack and improving the offline performance of websites using Service Worker.

WORK EXPERIENCE

Kizlodge, Clifton Park, NY   **May 2019- Apr 2020**
Early Childhood Coordinator

- Provide administrative assistance to the director including maintaining and tracking records.
- Communicate with children's' parents about issues, developmental roadblocks, and activities.
- Develop, implement, and evaluate childcare programs and activities.

Childtime Learning Center, Clifton Park, NY   **Aug 2016- May 2019**
Lead Teacher

- Work with from birth to 12 years old children, parents, administrators, and other teachers to improve students' experience and meet teaching objectives.
- Teaching my toddler class and mentoring new and inexperienced teachers and assistant teachers.

Taiyuan Children Teachers' College, Taiyuan, CN   **June 2012- June 2013**
Classroom Teacher and Music Teacher
- Teach choral conducting and voice lessons to 11 classes in grades 1-2 (approximately 50 students each class).
- Designed and taught musical music curriculum to improve students' vocal techniques and ability of understanding, implementing, adapting, and creating music works.
- Directed 13 choirs consisting of approximately 50 students each. calculate Mean, Median, Mode and Standard deviation.

PROJECTS
WS ISD network architecture plan   **Aug 2020- Nov 2020**
- It analyzed the current network including the hardware, software, and the applications.
- Based on the user requirements designed a new network architecture.
- Solved the current performance and safety problems.

Database management system (DBMS)solution   **Oct 2018 – Dec 2019**
- Constructed and refined conceptual and logical models that include the necessary entities, relationships, attributes, and business rules.
- Evaluated and recommended database products that address requirements for a research hospital.
- Created physical designs including application, hardware, network, operating system, and data communications requirements.
- Determine best practices for ensuring ethical and legal compliance for data usage and storage based on established industry-wide information technology standards and regulations.

Recipe collection manager program (Java)   **Oct 2018 – Dec 2019**
- The program used fundamental data types and more complex data structures.
- It used the creation of methods that utilize typical algorithmic control structures, object instantiation, and class definition.
- It was developed and implemented by utilizing accepted software engineering principles like modularity, encapsulation, and reusability.
- Added inline comments directed toward software engineers about design decisions to facilitate the program's ongoing maintenance, along with generating application programming interface (API) documentation.

Technical evaluation of an operating system   **Aug 2019- Oct 2019**
- It included analyses and assessments of the hardware-software interface.
- The techniques used to implement processes and threads and a detailed technical review was made.
- The file systems are supported by the operating system, the I/O subsystem, and the operating system security features.

Technical Communication: Integrate Effective Collaboration and Communication Case Study   **May 2019- Aug 2019**
- It used strategies for technical enterprise solutions and communications plans.
- Established conceptual frameworks for planning and specific guidelines for communicating technical information to multiple stakeholders.
- Evaluated existing technical communications to which they effectively communicate information to various target audiences.

Existing Information Technology System Proposal   **Mar 2019- May 2019**
- It assessed the relationship of system analysis, design, implementation, and development processes as they relate to the management of information technology systems.
- It included the processes and activities of system development, and how that can be delivered to diverse audiences.
- It applied to structure and object-oriented analysis modeling techniques, it also used a visual representation of the software development life cycle.

Udacity- Frontend-Nanodegree-Arcade-Game   **May 2016- Aug 2016**
- It was done for the Frontend Nanodegree program by using HTML5 and JS.
- Open the index.html to run the game.
- Players move the boy character by using the: Up arrow - Move up Down arrow - Move down Left arrow - Move left Right arrow - Move right.

Udacity-Query a Digital Music Store Database   **July 2016- Aug 2016**
- It queried a digital music store database that holds information.
- It used the database to help the store gain an understanding of the types of music.
- It showed how the company might optimize their business practices.

Udacity-Build Data Dashboards   **June 2016- July 2016**
- Built interactive dashboards with Tableau and use them to discover and communicate insights from data.
- Used a dataset of flight delays in the US to visualize the quality of airlines and airports.
- It showed how to find the best times to fly, and more