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https://zmshah.github.io/Portfolio/

Objective

Looking for an internship as a software developer where I may utilize my current skills in object-oriented programming, databases, and web application development while also growing as an Information technology professional.

Education

- Master of Science, Minnesota State University Mankato, MN
  Major: Information Technology
  Expected Graduation Date: December 2022
  Current GPA: 3.96

- Bachelor of Arts, Augustana University, Sioux Falls, SD
  Major(s): Computer Science, Computer Information Systems
  Graduation Date: May 2020
  Graduation GPA: 3.58

Skills

- Programming skills: Java, C# with ASP.NET Framework, PHP, HTML5, CSS3, JavaScript (jQuery library and React.js framework), SQL (Microsoft SQL and Oracle PL/SQL), MySQL, Unity, R
- Office Skills: Microsoft Excel, Microsoft PowerPoint, Microsoft word, Microsoft Access
- Other skills: Customer Service, Photoshop, Sketching and painting

Relevant Coursework

Undergraduate Coursework: Computer Science 1, 2 and 3(Java), Advanced Data Structures (Object Oriented Programming), Software Engineering (Software Development Life Cycle, Waterfall and Agile development methodologies), Computer Organization, Operating Systems, Data Analytics(R), Theory of Computation, Website Development and Design (HTML5 and CSS3), Management Information Systems 1 and 2, Principles of Management, Principles of Marketing, Project Management

Graduate Coursework: Database Management Systems, Web Application Design and Development, Advanced Object-Oriented Programming with Design Patterns, Software Quality Assurance and Testing, Information Risk Management

Projects:
- *Vehicle Rental Database System.* Worked in a team of 5 to create and manage a database for a fictional vehicle rental company using MSSQL Server. The database was also ported to a MySQL database. Main role included creating a web application using PHP and establishing the connection with the MySQL database, creating queries for displaying data in the web application as well as writing some of the queries for the main database in MSSQL https://github.com/zmshah/Vehicle-Rental-Database
- *Expenses Tracker* web application using the React Framework for the front-end. Functions include adding and removing transactions as well as displaying an overall budget. https://github.com/zmshah/expense_tracker_react
- *2D Platformer.* Worked in a team of 3 to create a 2D platformer game in Unity using C# scripting. The game was used as a sandbox for utilizing various design patterns. Main role included applying programming design patterns including Iterator, Builder, Observer, Prototype, Singleton patterns to develop the movement and behavior of enemy characters in-game. https://github.com/zmshah/PatternsPlatformer
- *Text Mining of FAANG Company Employee Review Data.* Worked in a team of 3 to perform text mining and

analysis of employee reviews from FAANG companies using a dataset containing reviews from Glassdoor. Primary responsibilities included creating and managing the data in a MSSQL Server database and performing preliminary analysis using Power BI. https://github.com/zmshah/Employee-Reviews-Text-Mining-Project

- *Scheduling system* for Augustana University Campus health services using Google Calendar for appointment management and Java for parsing calendar files to be read in excel as part of a Software Engineering group project. Primary responsibilities involved designing the system architecture and testing the scheduling system on Google Calendar. https://github.com/zmshah/Googlizer
- *Data Visualization and Analysis of video game sales* between the years 1980-2016 using R scripting language and RStudio. Final research paper includes charts and statistics as well as detailed analysis on sales patterns. https://github.com/zmshah/Video-Game-Sales-Project-Workbook
- *Blackjack* console program with one player and one dealer using Java. https://github.com/zmshah/BlackJack
- *Calculator* console program that does addition, subtraction, multiplication, division, and square root of 2 operands using Java. https://github.com/zmshah/Simple-Calculator
- *Tic-tac-toe* console application using Java. https://github.com/zmshah/TicTacToe

Portfolio Link: Click here or the link at the top to view my portfolio

Leadership and Work Experience

Graduate Assistant: CSET Liaison at the Kearney International Center at Minnesota State University Mankato, MN August 2021 – present. Responsibilities include:
- Assisting the Kearney International Center and the College of Science, Engineering, & Technology (CSET) with recruitment and retention efforts of international students.
- Developing new retention strategies and programs.
- Liaise with CSET faculty and programs to identify capacity for recruitment.
- Advising international students in CSET programs

Office assistant at the Center for Excellence in Teaching and Learning (CETL) at Minnesota State University Mankato, MN February 2021 – July 2021. Responsibilities include:
- Providing support to the center and office coordinator with tasks and projects
- Assisting with research
- Greeting faculty and students
- Organizing files for the center
- Performing day-to-day administrative tasks

Resident advisor (Viking advisor) at Augustana University August 2018-May 2020 employed by Augustana University Campus Life, Sioux Falls, SD. Responsibilities included Developing and fostering a community by managing a residence floor of students.
- Encouraging diversity and inclusion through floor events and activities.
- Working as a team with other Floor advisors and individually to enforce university policies
- Assisting campus life with administrative tasks including opening and closing procedures of residence communities, regular reports, and semester check-ins.

Sales associate at Macy's Sioux Falls, SD September 2017-March 2019. Responsibilities included:
- Providing customer service, assisting customers with purchases and product related questions
- Making sales, operating registers, managing transactions, and opening new credit accounts.
- Assisting managerial staff with merchandising tasks and maintaining products.