

NORA BUI

Portfolio: norabui01.com

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EDUCATION

McNeese State University

Bachelor of Science

Lake Charles, LA

Aug 2021 – May 2025

Double major in Computer Science and Mathematical Sciences

GPA: 3.95/4.0 (In major: 4.0); President's Honor List 2021-2023 (Top 10% of class); International Student Scholarship

Relevant Coursework: Data Structures & Algorithms, Operating Systems (Linux), Object-Oriented Programming, Database Management Systems, Math Statistics and Probability (Grad level), Numerical Analysis (Grad level), Advanced Calculus, Linear Algebra & Matrix Theory, Discrete Mathematics, Geographic Information Systems

SKILLS

- **Technologies:** Java, Python, JavaScript, HTML5, CSS3, SQL, T-SQL, MATLAB, C++, Bash, Linux
- **Frameworks/Libraries:** ReactJS, NodeJS, SASS, jQuery, Bootstrap, Socket.io
- **Backend/DevOps:** PHP, SQL, Kotlin, Django, Go, Firebase, AWS, REST, Drupal, Docker, Selenium
- **Tools:** IntelliJ, PyCharm, NetBeans, GNU Octave, Git & GitHub, SSMS, VS Code, Arduino, GIS, Android Studio

PROJECTS

Portfolio Website | HTML, CSS, SASS, JavaScript, PHP

Oct 2023

- Edited the front end with HTML, CSS, SASS, and JavaScript, handled media screens and increased visibility
- Enabled the mailing function by sending messages directly from the website with email validation using PHP

Tetris Game | Java, Java Swing, GUI, OOP

Apr 2023

- Implemented GUI, effective action listeners, abstract class, and menu system following strict UMLs using Java
- Permitted players to save games, retrieve game files, display high scores board, and change size.

Tic-Tac-Toe | Python

Oct 2021

- Designed a two-player console Tic-Tac-Toe displaying full functions of the game with effective error-checking
- Allowed players to play multiple times and indicated the winners or draws

PROFESSIONAL EXPERIENCE

Academic and Computer Learning Center. (McNeese State University)

Lake Charles, LA

Computer Science and Math Tutor

Jun 2022 – Present

- Mentored 500+ math students with various levels and CS students in the fundamentals of Python, Java, and HTML
- Assisted professor with conducting research related to power set, Venn diagram to utilize interactive learning CS

Office of Testing Service – Burton Business Center. (McNeese State University)

Lake Charles, LA

Testing Administrator

Jan 2022 – Oct 2022

- Took responsibility to check-in and monitor 500+ test takers' information
- Generated electronic reports using Prometric and helped resolve technical issues during testing services

ACTIVITIES AND LEADERSHIP

Mathematical Association of America

McNeese State University

President of Club

Oct 2022 – Present

- Led the MAA chapter to organize 10+ networking events and host a local math competition with 100+ participants
- Won [second place Integration Bee](#) at Louisiana/Mississippi MAA section, Ole Miss March 2023
- Honored member of Pi Mu Epsilon Louisiana Chapter, selected by the Mathematics Department (Top 1%)

Robotics Club

McNeese State University

Active Member

Oct 2022 – May 2023

- Organized game activities for local high schools by building a small delivery robot with 100+ involved students