

# Nora Bui

Portfolio: [norabui01.com](https://norabui01.com)

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## EDUCATION

Lake Charles, Louisiana	McNeese State University	August 2021 – May 2025
<ul style="list-style-type: none"><li>• <b>Major.</b> Double major in Computer Science and Mathematics. BS expected 2025.</li><li>• <b>GPA.</b> 3.95 (In-major: 4.0)</li><li>• <b>Coursework.</b> Data Structures &amp; Algorithms, Object-Oriented Design, Database Management Systems, Operating System Administration (Linux), Math Statistics and Probability (Graduated level), Advanced Calculus, Numerical Analysis, Linear Algebra &amp; Matrix Theory, Differential Equations, Discrete Mathematics, Web Development.</li></ul>		

## SKILLS

- **Technologies:** Java, Python, SQL, T-SQL, HTML5, CSS3, JavaScript, MATLAB, C++
- **Framework/Libraries:** ReactJS, NodeJS, SASS, Bootstrap, Socket.io
- **Backend/DevOps:** PHP, SQL, Django, Firebase, AWS
- **Tools:** IntelliJ, PyCharm, NetBeans, GNU Octave, Git & GitHub, SSMS, Visual Studio Code, Linux

## PROJECTS

- **[Tetris Game](#).** OOP Java project. Implemented GUI, effective action listeners, abstract class, and menu system following strict UMLs. Permits saving game, retrieving game files, displaying high scores board, and changing size.
- **[Snowflakes](#).** Java project that contains a GUI drawing board which displays snowflakes that gradually change color utilizing effective math algorithms.
- **[Battleship Display](#).** Through pop-up windows, users choose board's size, ship's size, and the number of ships. Applies an effective solution to the overlapping and overcrowding of ships problem.
- **[Perception Test](#).** Uses a set of 25 image cards and 3 kinds of tests through pop-up windows. Permits retesting, saved scores, and added scores.
- **[Tic-Tac-Toe](#).** Two-player console game implementing lists, methods, error-checking.

## EMPLOYMENT

Computer Science & Math Tutor	McNeese State University	June 2022 – present
<ul style="list-style-type: none"><li>• Tutored 100+ math students from basic to advanced levels</li><li>• Mentored CS students in the fundamentals of Python and Java with basic algorithms. Significantly improved student's learning outcomes and grades</li></ul>		
Testing Administrator	McNeese State University	Fall 2021 – Spring 2022
<ul style="list-style-type: none"><li>• Took responsibility to check-in and monitor 100+ test takers' information</li><li>• Created electronic reports through Prometric</li></ul>		

## ACTIVITIES and AWARDS

- Served as President of the Mathematical Association of America (MAA) at McNeese October 2022 - present
- Won [second place Integration Bee](#) at Louisiana/Mississippi MAA section, Ole Miss March 2023
- Honored member of Pi Mu Epsilon Louisiana Chapter, selected by Mathematics Department, Spring 2023
- Member of Robotics Club, Association for Computing Machinery, Fall 2022 - present
- Made President's Honor List every semester (top 15%), 2021 - 2023
- Received International Student Scholarship, 2021 – 2023