

# KRITIM BASTOLA

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## EDUCATION

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University of New Mexico School of Engineering | Computer Science  
Cs-152, Cs-251, Cs-351 → Java  
Cs-261, Cs-361 → Data Structure and Algorithm  
Cs-241 → C  
Aug. 2022 - 2025

## EMPLOYMENT

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University of New Mexico, Computer Consultant SuperVisor Sept. 2022 -  
, Albuquerque, New Mexico Current  
- Proficient in hardware and software troubleshooting in a computer lab, minimizing user disruptions.  
- Provided responsive user support, guiding individuals through basic troubleshooting for an improved lab experience.  
- Effectively managed and coordinated computer lab personnel (Scons) to ensure smooth operation, showcasing leadership and team-building skills.  
- Maintained detailed activity records and produced bi-weekly progress reports, highlighting accountability and communication.

NM-Bio Park Society, Software Developer, Apr. 2023 -  
Albuquerque, NM Current  
- Developed and maintained QGIS extensions for specific geospatial challenges.  
- Created user-friendly GUIs with PyQt5 for easy interaction with the extensions.  
- Utilized GitHub for version control and collaborated with a team of researchers on a QGIS extension repository.

## SKILLS

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Java, Python, C, VHDL, Artificial Intelligence, Version Control, Front-End Development

## CERTIFICATION

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Problem Solving Using Computational Thinking  
Design and Develop a Website using Figma and CSS  
Introduction to Front End Development  
Introduction to Back End Development

## PROJECTS

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Typing Game  
- Developed dynamic virtual keyboard with visual key press feedback.  
- Designed engaging moving word animations in circular patterns.

- Created real-time user input display for typed letters.  
- Implemented scoring system for tracking correct word entries and game over scenarios.  
- Calculated and displayed user typing speed in words per minute.  
- Utilized JavaFX animations for smooth word transitions and file handling for external word file reading.

Tile Puzzle Game  
- Led Java-based Tile Puzzle Game development with a user-friendly GUI.  
- Implemented user input for board size, initial config, and moves with strict validation.

- Utilized Java Swing with dialog boxes for user interactions and real-time puzzle state display.  
- Enhanced user experience with congratulatory messages and 'End of Game' notifications.  
- Showcased strong Java programming and UI design skills.

Portfolio Development  
- Proficient in front-end development (HTML, CSS, JavaScript) for visually appealing and responsive web interfaces.  
- Versatile skills encompass front-end and back-end development, enabling end-to-end web application development and a comprehensive understanding of the software development process.

## VOLUNTEERING

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Kappa Sigma Oct. 2023 - Current  
- Led philanthropic events, raised funds for diverse causes.  
- Developed teamwork, communication, and organizational skills through fraternity initiatives.  
- Enhanced leadership and interpersonal abilities in professional workshops.