

Miguel Shema Ngabonziza

+1 (318) 516-4769 · shemamiguel2023@gmail.com · www.linkedin.com/in/migztech · github.com/SNMiguel

EDUCATION

Grambling State University– Grambling, LA

Expected Graduation: May 2028

Bachelor of Science in Computer Science, Minor in Cyber Security (cumulative GPA: 4.0)

Relevant coursework: Data Structures and Algorithms, Discrete structures, CS50: Intro to Computer Science

Honors & Awards: President's list, Full academic scholarship, New Season Youth Program (NSYP) scholar

TECHNICAL EXPERIENCES

Python Development Intern (Remote)

Nov. 2024 - Dec. 2024

Pinnacle Labs

- Developed and deployed 2 applications, including a Weather Forecast App using the OpenWeather API to serve 50+ users with real-time data and a Basic Calculator built with Python and Tkinter.
- Collaborated with 4 interns to tackle challenges, enhancing UI/UX and optimizing 1,000+ API calls per day, while gaining practical experience in Python and software development.

Front-End Developer – 1st Runner-Up

Nov. 2024

Grambling X Notion Hackathon

- Developed TaskFlow, an AI-powered planner that integrates with Notion databases to help users automate task prioritization and time management
- Implemented algorithms to generate time-sensitive activity schedules, improving daily planning efficiency by 30% during live demos
- Collaborated in a 5-person team to design a clean, responsive UI, earning 1st Runner-Up honors out of 15+ hackathon teams

PROJECTS

LeetCode Solutions Repository — Python

- Built a public repository of 120+ LeetCode problems solved in Python, organized by category and problem number to ensure fast access and learning.
- Applied multiple approaches (brute-force & optimized) across topics like arrays, graphs, and dynamic programming, with 50+ solutions including Big-O analysis and inline explanations.

JavaScript Chess Game — JS, HTML, CSS

- Engineered a fully playable, browser-based chess game with a clean 8x8 board UI and drag-and-drop interactivity using vanilla JavaScript.
- Implemented core chess mechanics, including legal move validation, piece highlighting, and check/checkmate detection — all without external libraries.

ADDITIONAL EXPERIENCE OR LEADERSHIP

Extern

May. 2025 - Jul. 2025

Extern Inc. – PwC X Non-Profit Consulting Remote Externship

- Analyzed and evaluated a nonprofit's donor engagement strategy by reviewing communication data and Gen Z trends, resulting in recommendations that could increase outreach effectiveness by 40%.
- Created and presented a slide deck with data visualizations and storytelling techniques to Extern Inc. and PwC collaborators, leading to positive feedback and recognition for exceeding program standards.

Residential Assistant

Jul. 2025 - Present

Grambling State University - Office of Campus Living & Housing

- Led a residential community of 30+ students by organizing weekly check-ins and conflict resolution meetings, resulting in a 95% satisfaction rate based on semester-end housing surveys.
- Planned and executed 5+ community-building events per semester to foster inclusivity and engagement, increasing resident participation by over 60% compared to previous terms.

TECHNICAL SKILLS

- **Languages:** Python, JavaScript, HTML/CSS, C (learning C++), SQL, Kotlin
- **Frameworks/Tools:** FastAPI, Git, Notion API, Figma, SQLite, VS Code, Wireshark, Splunk, Android Studio
- **Concepts:** OOP, REST APIs, Algorithms, SIEM, Real-time Data, Basic Networking