

Nicholas Burgo

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EDUCATION

Southeastern Louisiana University, Hammond, LA

May 2024

Bachelor of Science | Computer Science, Data Science | Major GPA 3.0

- Relevant Coursework: Object Oriented Programming, Data Structures, Data Mining
- President's List (4 times) – Recognized for outstanding academic performance

TECHNICAL SKILLS

Programming Languages: Proficient in Java, Python, Lua, and C#; Exposed to TypeScript, JavaScript, C, and C++.

Other Skills: Unity, SQL Databases, Version Control (Git, GitHub).

EXPERIENCE

Innovation Hub, Hammond, LA

August 2023 – Current

Tech Assistant

- Diagnosed and resolved technical issues for students and faculty, ensuring seamless operation of technology.
- Contributed to 3D printing and VR development projects, assisting in research, testing, and implementation.
- Assisted in planning, organizing, and setting up technology for 15+ events and 5 workshops, ensuring smooth execution and technical support.

Home Depot, Hammond, LA

May 2021 – September 2023

Lumber Coach

- Supervised and trained 10+ associates in the lumber department, ensuring excellent customer service, adherence to safety protocols and efficient workflow.
- Operated forklifts and other heavy machinery to transport and organize lumber and large building materials safely.
- Assisted with sales, special orders, and cutting services to meet customer specifications.

PROJECTS

Fable Market

- Developed a book marketplace platform with features for purchasing books, leaving reviews, and creating personalized book lists.
- Implemented advanced search functionality allowing users to search by book title, author, genre, and more using string comparison and optimized queries.
- Integrated database management to efficiently store, retrieve, and update book data while ensuring data integrity.

Police Fitness Database

- Developed a police fitness database using Python, leveraging NumPy for efficient data processing and Pandas for effective data management.
- Demonstrated skills in data analysis, visualization, and database management, showcasing the ability to turn raw data into actionable insights for police fitness evaluation.
- Integrated a graph library to visualize fitness trends and performance metrics, enhancing data interpretation and insights.

Multiplayer Mini Games

- Developed engaging local multiplayer mini-games using Lua, utilizing a host-client architecture for seamless player interactions.
- Implemented real-time communication features to facilitate dynamic interactions between players, enhancing the overall gaming experience.