Kendrick Manchester Jr.

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EDUCATION

Bachelor of Science in Computer Science – Software Engineering **GPA: 3.32**
Louisiana State University Agricultural and Mechanical College **December 2026**

TECHNICAL SKILLS

- **Java** - Loops (Do-While, While, For), Object Oriented Programming, Methods, Arrays, Inheritance, Java Frontend, Stacks, Binary Tree, List, Queues, Hash Map, Tree Map
- **Python** - Variables, Input, Operators, Selection Statements
- **Excel** - Pivot Tables, Functions, Basic Formulas
- **Linux** – Bash, Terminal, Processes, Linux Virtual Machine
- **C** – System Calls, Processes, Signals, C Library Functions, Memory Allocation, File I/O

ACADEMIC PROJECTS

Interactive Client/Server Program Creation – C & Linux **Spring 2024**
Introduction to System Programming (Spring 2024)

- Utilized a control structure in the server code to permit numerous clients to enter the program
- Operated a Linux terminal (PuTTy) to successfully organize all files and programs in the directory
- Applied class taught concepts about methods in the C Library to enable interaction between the client and server programs

Precision Notes App - Kotlin **Fall 2024**
Object Oriented Programming (Fall 2024)

- The goal of this project was to create an app using an object-oriented language which was Kotlin
- Designed a robust stylus input system for the app, significantly enhancing user interaction and precision
- Engineered an intuitive interface by writing code that functions with the interface allowing users to effortlessly select their preferred size and color

Numerical Methods Final Project – Python **Fall 2024**
Numerical Methods (Fall 2024)

- Elevated robust CSV data reading function for seamless data integration
- Applied statistical numerical methods to determine accurate approximation based on the data
- Developed a Python-based data analysis tool utilizing numerical methods and data visualization techniques

CalcPL Extension – Programming Language Design **Fall 2024**
Programming Languages (Fall 2024)

- Met specified project requirements while demonstrating innovation and solving complex problems by processing type-handling where no two different types can perform operations together
- Extended CalcPL by adding operators, a float data type, and precise error handling through collaboration
- Gained significant understanding of programming language design and implementation through hands-on experience

AI Concept Modeling **Fall 2024**
Programming Languages (Fall 2024)

- Successfully trained an AI model by providing detailed explanations to teach it various concepts.
- Introduced the AI model to various test cases to ensure that it understood the application of concepts

WORK EXPERIENCE

Event Coordinator Student Worker **Aug 2023 – Present**

School of Electrical Engineering and Computer Science

- Coordinate and organize departmental events ranging from faculty meetings to Computer Science seminars.
- Provide students with assistance regarding scheduling and general advising.

Certified Team Member **Oct 2019 - Present**

Chick-Fil-A Airline Highway FSU | Baton Rouge, LA

- Improve efficiency, allowing the company to obtain higher accuracy in food service.
- Lead 5 new team members through learning how to complete tasks related to daily operations.

Team Member **Aug 2022 – May 2023**

Chevron Center for Engineering Education | Louisiana State University

- Collaborated with Chevron Center staff to implement an initiative aimed at helping high school students understand the importance of communication.
- Assisted students with Chevron resources such as poster printing, material check out, and technology use.

VOLUNTEER EXEPERIENCE

Dream Night Volunteer – BASF Geismar | May 2023 **May 2023**

- Coordinated superhero-themed activities for over 50 families with children undergoing cancer treatment, fostering a joyful and inclusive environment.

STEM Activity Facilitator – Capitol Area STEM Network, Mini Maker Fair | September 2021 **Sept 2021**

- Led space themed engineering challenges for elementary and middle school students, promoting early interest in STEM careers.

CLUB INVOLVEMENT

- National Society of Black Engineers (Member), Bengal Robotics Club (Member), Color Stacks (Member), Society of Peer Mentors (Member)