

# JAMES DIGIOVANNI

## SOFTWARE ENGINEERING

### CONTACT

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### EDUCATION

**LOUISIANA STATE UNIVERSITY**  
**Baton Rouge, LA**

*Bachelor of Science (B.S.) Computer  
Science- Software Engineering  
Interest in Pursuing Masters Degree  
(Graduation in December 2025)*

**Relevant Coursework****Completed:**

Advanced Data Structures and  
Algorithm Analysis  
Object Oriented Programming  
using C++

Software Systems Development  
Database Management Systems  
Parallel Programming in C++ for  
Scientific Applications

**Design Coursework:**

TerminalFit (C++)

Dreamworks (Node, React, MongoDB)  
Car Dealership Database (Python, SQL)  
Parallel Mandelbrot Set (C++)

**Awards & Honors**

TOPS Scholarship Award  
College of Engineering Deans List

**Extracurricular Organizations**

Phi Sigma Theta Member  
The National Society of Leadership and  
Success

### CAREER OBJECTIVE

Computer Science - Software Engineering Major currently attending Louisiana State University, College of Engineering. Aiming to showcase a broad range of knowledge in software engineering with a strong interest in data driven systems, real time applications, and parallel programming. Passionate about building fast tools that solve real problems using live data. Often acclaimed as hardworking and relentless, eager to learn.

### EXPERIENCE

**Internship**

**St. Charles Parish Geographic Information Systems (GIS)**  
**Summer 2023.**

- Developed internal and public-facing web tools using JavaScript, HTML/CSS, and Arcade
- Collaborated with a team to improve public service interfaces under strict deadlines
- Built data-driven dashboards using live GIS data to enhance accessibility for local government services
- Gained exposure to real-world software engineering processes in a government setting.

**Bartender**

**New Orleans, LA / Summer 2022**

- Managed bar operations for large events (150+ guests), handling funds and customer experience
- Demonstrated team leadership and multitasking under pressure
- Strengthened communication and problem-solving skills in a fast-paced environment

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**Projects*****TerminalFit (C++ / Qt)***

- Team project: developed a GUI based fitness app with a calorie calculator, workout generator, and meal planner
- Implemented custom database integration for user plans using Qt SQL modules

***Dreamworks (Node.js / React / MongoDB)***

- Full stack web app for interactive content exploration (PC builder)

***Car Dealership DB (Python / SQL)***

- Designed relational schema and implemented query interface for mock dealership.

***Parallel Mandelbrot Set (C++ / Qt)***

- Developed high performance Mandelbrot set renderer
- Interactive GUI, parallel computation, multi-threaded processing