

## Thomas Lee

Baton Rouge, Louisiana | (337) 371-1110| mathheejoo@gmail.com

### EDUCATION

<b>Louisiana State University (LSU), Baton Rouge, LA</b> <i>Bachelor of Science, Computer Science (Software Engineering), Honors College</i>	<b>August 2022-Present</b> GPA: 3.56
<b>Related Coursework:</b>	
<ul style="list-style-type: none"><li>• Data Structures &amp; Algorithms, Programming Languages, Computer Organization and Design, Discrete Structures, Object-Oriented Design, Database Management, Operating Systems, Systems Programming, Calculus 2, Differential Equations, Linear Algebra, Operating Systems, Software Systems Development, Software Quality &amp; Testing, Compiler Construction</li></ul>	
<b>Yonsei University, Seoul, South Korea</b> <i>Bachelor of Science, Computer Science (Software Engineering)</i>	<b>February 2024-June 2024</b>
<b>Projects (GitHub: luffysolosyonko)</b>	
<b>Poetry Garden – React, TypeScript, Firebase</b>	
<ul style="list-style-type: none"><li>• Built a full-stack poetry sharing app with Firebase authentication and real-time database for storing user-submitted poems.</li><li>• Designed an interactive flower-association feature to visually represent each poem, enhancing engagement and discoverability.</li><li>• Optimized responsive front-end with React and CSS, enabling seamless publishing and browsing across devices.</li></ul>	
<b>Discord Workout Tracker – Node.js, Firebase, Python</b>	
<ul style="list-style-type: none"><li>• Built a Discord bot that logs structured workouts, tracks progress, and estimates calories burned for individual users.</li><li>• Integrated Firebase for persistent data storage (user workouts, performance history) and generated progress graphs over time.</li><li>• Deployed to Railway with environment variable handling, enabling seamless multi-server to use and automated uptime.</li></ul>	
<b>Personality Country Quiz – HTML, CSS, JavaScript</b>	
<ul style="list-style-type: none"><li>• Designed a web-based personality quiz that recommends ideal travel destinations based on user responses.</li><li>• Implemented a recommendation algorithm to analyze personality traits and suggest global travel locations.</li><li>• Improved user load performance by 25% through responsive CSS and layout optimizations</li></ul>	

### EXPERIENCE | <https://www.linkedin.com/in/thomas-lee-842a95265/>

<b>Systems Analyst</b> <i>LSU, Baton Rouge, Louisiana</i>	<b>Sept. 2025 - Present</b>
<ul style="list-style-type: none"><li>• Managed and optimized <b>Linux-based systems</b>, performing monitoring, log analysis, and troubleshooting to ensure reliable operations.</li><li>• Developed <b>shell scripts and automation tools</b> to streamline workflows, enhance database performance, and reduce manual tasks.</li><li>• Diagnosed and resolved <b>hardware and software issues</b>, improving system efficiency and supporting university IT infrastructure.</li></ul>	
<b>Undergraduate Robotics Researcher</b> <i>LSU, Baton Rouge, Louisiana</i>	
<ul style="list-style-type: none"><li>• Exploring integration of <b>LLMs with ABB RobotStudio</b> using <b>C# and .NET</b> to simplify robot programming through natural language.</li><li>• Designing <b>simulation tools</b> to improve usability of robotics platforms for education, research, and industry.</li><li>• Collaborating with faculty on advancing <b>robotics, AI integration, and multipurpose automation applications</b>.</li></ul>	<b>Sept. 2025 - Present</b>
<b>LSU Tutor</b> <i>LSU, Baton Rouge, Louisiana</i>	
<ul style="list-style-type: none"><li>• Delivered personalized instruction in mathematics and computer science, strengthening students' comprehension of foundational concepts.</li><li>• Simplified complex problems through clear, step-by-step explanations, improving student engagement and understanding.</li><li>• Mentored college freshmen build strong academic foundations, enhancing their confidence and performance in entry-level courses.</li></ul>	<b>Sept. 2023 - Dec. 2024</b>

### Honors & Awards

- **Burger King Scholarship Recipient (2022)**
- **LSU Ogden Honors College Study Abroad Scholarship (2024)**
- **S&B Engineers and Constructors Scholarship (2025)**
- **Dean's List (Fall 2023)**
- **Korean Translator – Lafayette Korean Church**

### SKILLS

Languages (Java, Python, C, JavaScript, TypeScript, C#), Web (React, Node.js, Firebase, HTML/CSS), Tools (Git/GitHub, Linux, VS Code), Game Dev (Unity, Game Maker, Blender)