Michael Morris

Software Engineer
Baton Rouge, LA | 225-921-4869 | mmorr33225@gmail.com

EDUCATION

- **B.S, Computer Science**- Louisiana State University, Baton Rouge, LA   **May 2025 GPA: 3.65**
- **Related Coursework:** Data Structures, Object Oriented Design, Computer Organization, Operating Systems, Database, Cryptography, and Software Engineering.

TECHNICAL SKILLS

- **Languages:** Java, JavaScript, C#, C++, Rust, SQL, Python, Swift, HTML
- **Frameworks:** JUnit, React, Flutter, Bootstrap, Blender
- **Databases:** MySQL, SQLite
- **Configuration Management:** Git, GitHub
- **Tools:** Visual Studio, VS Code, NetBeans, Eclipse, Xcode, Enterprise Architect, and Figma
- **Communication:** Teams, Discord, Slack
- **Other:** Scrum, Usability Testing, Privacy Policy, Requirement analysis, and Project management

PROFESSIONAL EXPERIENCE

Providence Photonics LLC – Baton Rouge, Louisiana
Full Stack Developer -   Co-Op   **May 2023 – Aug 2024**
- Led the successful development and delivery of a major product release.
- Collaborated with other teams, researchers, and clients to translate requirements into solutions.
- Conducted thorough testing including unit tests, integration tests, and end-to-end tests to ensure quality code delivery.

Providence Photonics - Intern   **Jun 2020 – Jul 2022**
- Created web-based utilities to identify gases based on radiance index tables.
- Programmed PLC units to enable closed-loop control systems for Ethylene plants.
- Designed 3D models for emerging product development and testing.

NOTABLE PROJECTS

Mantis Lite (Lead Developer)
- Software component for new optical gas imaging system for quantifying fugitive emissions.
- Front end: Displays live trending, processed data, and renders spectral data into video.
- Back end: Securely stores, manages, and processes data captured by camera into SQL database.

REFERENCES

- **Srikanth Mutyala**- Head Software Developer, Providence Photonics
  SrikanthMutyala@providencephotonics.com
- **Sonja D. Wiley, Ph.D.**- LSU Entrepreneurship & Information Systems
  swpatton@lsu.edu