

# Adam Rodi

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## EDUCATION

### **Southeastern Louisiana University**

*Bachelor of Science in Computer Science*

*Minor in Mathematics*

**Hammond, Louisiana**

*Expected Graduation, January 2027*

- **Concentration:** Data Science
- **Related Coursework:** Data Structures & Algorithms, Software Engineering, Data Mining, Python for Data Science, Computer Architecture, Calculus, Discrete Math
- **GPA:** 4.0/4.0

## EXPERIENCE

### **Amazon Web Services**

*Cloud Support Associate Intern*

**Dallas, Texas**

*June 2025 – September 2025*

- Built an OpenSearch Troubleshooting Chatbot (Lex V2 + Lambda + OpenSearch + CloudWatch + API Gateway + S3 + CloudFront) automating 9 diagnostic checks to reduce time-to-resolution for common issues.
- Deployed Highly Available Web App architecture with ALB, EC2, and Auto Scaling across 3 Availability Zones for high availability, resilience, and security.
- Earned AWS AI Practitioner and AWS Solutions Architect – Associate certifications.

### **Ochsner Health Center**

*Information Technology Intern*

**Slidell, Louisiana**

*October 2023*

- Resolved IT tickets (imaging and networking) for a hospital staff of 100+.

### **Louisiana Army National Guard**

*Motor Transport Operator*

**Slidell, Louisiana**

*October 2022 – Present*

- Transport troops and equipment with a 100% on-time delivery rate.
- Manage 57 vehicles/trailers by executing a preventative maintenance system.

## PROJECTS

### **Fitness & Nutrition Tracker Web App (C#, React, ASP.NET, SQL, Git)**

- Built a full-stack web app with relational database schema using PostgreSQL, a backend REST API in C# (.NET), and modular React frontend components.

### **Bitcoin Data Visualizer App (Python, Pandas, Matplotlib, NumPy)**

- Built a data analysis tool with time-series parsing and statistical visualization to enable financial data exploration and improve data interpretability.

### **Automated Chicken Coop System (C++, Embedded Systems, Hardware Design)**

- Developed embedded systems software and hardware for automated feeding and climate control with sensors, servo, and 120V relay circuits.

## TECHNICAL SKILLS

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- **Languages:** Java, Python, C#, C++, TypeScript, JavaScript, HTML, CSS
- **Dev Tools/Libraries:** AWS, React, ASP.NET, Git, GitHub, Pandas, NumPy, Seaborn, Matplotlib
- **Concepts:** Object-Oriented Programming, REST APIs, Web Development, Data Structures & Algorithms, Embedded Systems

## AFFILIATIONS

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### Association of Computing Machinery (ACM)

*Member*

**Hammond, Louisiana**

*January 2024 – Present*

- Participate in coding challenges and software engineering workshops.
- Served on department advisory board interviewing CS department head candidates.