

SUMMARY OF QUALIFICATIONS

- Experienced in building scalable, efficient software systems using Python, C#, and modern web technologies, with a strong grasp of object-oriented programming and core data structures.
- Experience deploying full-stack apps to cloud platforms, with working knowledge of CI/CD and secure deployment practices.
- Proficient in Agile development, regularly participating in sprints, pair programming, and code reviews to deliver clean, maintainable solutions and contribute to system architecture.

EDUCATION

University of Louisville	Louisville, KY
Bachelor's of Science in Computer Science and Engineering	August 2024
<ul style="list-style-type: none">• Relevant Coursework: Data Structures & Algorithms, Database Systems, C/C++, Statistics, Machine Learning & AI, Python, etc.• Capstone: 1st Place Award in Department-wide Capstone Competition for developing an iOS app sponsored by KIPDA	
Master of Engineering in Computer Science and Engineering	August 2025
<ul style="list-style-type: none">• Relevant Coursework: Data Mining, Parallel Programming, Cryptography, Simulation & Modeling	

RELATED EXPERIENCE

Machinify (The Rawlings Group)	Lagrange, KY
Software Engineer AppDev	August 2022 - August 2025
<ul style="list-style-type: none">• Developed a high-throughput PDF automation tool in C# to process 2,000–8,000 letters monthly from image BLOBs in SQL Server, saving 36+ hours/month.• Architected secure data abstraction layers using Data Access Layer and stored procedures, reducing data access latency by 30% and ensuring enterprise security compliance.• Migrated legacy QA system to a .NET & Angular web app, improving testing speed by 20% and enabling real-time multi-user coordination.• Refactored enterprise platform for 1,000+ employees from Angular 8 to 15, reducing page load times by 15% and enhancing UX.• Collaborated in 2-week Agile sprints, engaged in pair programming, code reviews, and architecture decisions to align solutions with business needs.	

PROJECT EXPERIENCE

SOAR-EDR: Automated Cybersecurity Detection & Response

LimaCharlie, Tines, Slack

- Simulated attacks and detected threats with custom LimaCharlie D&R rules.
- Automated response workflows with Tines, isolating devices and alerting via Slack/email.

MusicGenreDiscoverer: Audio-Based Song Recommender

Python-Flask, Angular, Firebase, Librosa, Scikit-learn

- Built full-stack app recommending songs using audio feature extraction + cosine similarity.
- Designed Flask API + Angular frontend, storing and retrieving tracks with Firebase Firestore.

Finance Tracker App: Full-Stack Expense & Budget Manager

React-JS, Spring Boot, AWS

- Built a React + JS dashboard for managing transactions and categories, integrated with a Spring Boot REST API.
- Deployed on AWS using RDS for persistence and Elastic Beanstalk/Amplify for hosting.

TECHNICAL SKILLS

- **Programming Languages:** Python, C#, SQL, Java, C++, HTML, CSS, JavaScript, Swift
- **Frameworks & Tools:** Angular, Flask, .NET, Git, SQL Server, JSON, Azure, Spring, AWS
- **Methodologies & Concepts:** OOP, Data Structures, Agile, CI/CD

CERTIFICATIONS

- AWS for developers (LinkedIn Learning)

PROFESSIONAL INTERESTS

- Full-Stack Engineering
- Artificial Intelligence & Machine Learning
- Cybersecurity