



Certifications:

CompTIA
Security+ (Ongoing)

Skills

Programming Languages:

Python (Proficient)
Java (Proficient)
JavaScript (Proficient)
C++ (Intermediate)
SQL (Intermediate)
Rust (Familiar)
Shell (Familiar)
PHP (Familiar)

Framework/Libraries:

Django (Proficient)
ReactJS(Proficient)
Spring (Intermediate)
Aeron (Familiar)
TensorFlow(Familiar)
Rails(Familiar)

Databases:

PostgreSQL(Proficient)
MySQL(Intermediate)
MongoD(Intermediate)

Tools:

Visual Code Studio(Proficient)
Github (Intermediate)
Git(Intermediate)

Cloud:

AWS (Intermediate)
Google Cloud (Intermediate)
Azure (Familiar)

Languages:

Spanish

JOHN S. ALYN JR.

Software Engineer

Location: Riverdale, Georgia
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Professional Summary

Highly motivated Software Engineer graduate from Columbia University with a strong foundation in data structures, algorithms, and object-oriented programming. Proficient in Python, Java, and JavaScript, with experience developing web applications using React, Node.js, and Flask. Passionate about building scalable and efficient solutions to complex problems.

Education

COLUMBIA
UNIVERSITY
MAY 2023

Bachelors, Computer Science
Relevant Coursework:

- Data Structures
- Discrete Mathematics
- Advanced Programming
- Computer Science Theory
- Analysis of Algorithms I,
- Introduction to Databases
- Fundamentals of Computer
- Human-Centered Interface & Design

Experience

Clayton
County

Jonesboro, GA
May 2025 - Present

Engineering Technician

- Performed diagnostic troubleshooting and repairs on solid-state, electronic, electrical, digital, and microprocessor-based components within traffic signal systems, demonstrating proficiency in system analysis and problem resolution.
- Assisted Transportation Control Center (TCC) personnel in troubleshooting advanced traffic signal operation parameters and network communication devices, collaborating to resolve complex system issues.
- Maintained and operated computerized traffic control systems, including variable message signs and surveillance cameras, gaining experience with networked systems and data management.
- Performed intermediate-level programming of traffic signal controllers, demonstrating ability to understand and modify software-controlled systems.
- Configured and maintained Ethernet network communication equipment, gaining experience in network protocols and configurations.
- Interpreted project plans and technical documentation to ensure accurate installation and operation of traffic signal systems.
- Participated in the Department's Emergency Response/Call-Back Program, providing critical support and troubleshooting during system failures and outages.

Charlotte's
Web-Design
LLC

Miami, FL (Remote)
Dec 2023 - Present

Web & Software Developer Contractor

- Developed and maintained SEO-optimized websites to improve search engine rankings and user engagement, resulting in a 20% increase in organic traffic.
- Leveraged HTML, CSS, JavaScript, and WordPress CMS to create responsive and visually appealing web designs.
- Managed digital marketing campaigns to increase online presence and drive traffic, increasing social media engagement by 15%.
- Enhanced brand visibility and generated leads through strategic online marketing initiatives, leading to a 10% increase in qualified leads.