DYLAN CARTER

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EDUCATION

BS Computer Science, The University of Georgia, 3.85 GPA   May 2025

EXPERIENCE

Associate Software Engineer   June 2025 - Present
Infor

- Working on the Mongoose no/low code framework server-side team with C# and .NET Framework.
- Developed a guardrail for long running export operations and improved algorithm efficiency, leading to reduced downtime and a 10x improvement in memory consumption.
- Implemented security enhancement for MFA verification during login process, including SAML claim validation and a configuration option.
- Resolved an OWASP security vulnerability by adding the ability to update the HTTP header configuration in the command-line utility.
- Contributed to enterprise software architecture by creating unit tests, fixing defects, doing code reviews, creating technical documentation, and taking ownership on tickets from requirements to production support.

Software Development Intern   May 2024 - Aug 2024
Infor

- Created an end-to-end computer vision based proof of concept using Python, Roboflow, OpenCV, and PyAutoGUI for a new feature in a .NET RPA application, successfully automating web and desktop workflows within remote desktop applications.
- Introduced Testcontainers to a Spring Boot REST API for integration testing with a SQL Server database.

SKILLS

Languages	C#, Java, Python, JavaScript, SQL
Technologies	AWS, SQL Server, SQLite, .NET Framework, Spring Boot, React, Git

PROJECTS

Mapthens

- Designed and developed a full-stack web application that displays all the local events happening in Athens, GA with their details on an interactive map.
- Implemented two endpoints for AWS Lambda in Go: one for scraping daily event data & storing in an S3 bucket as JSON, another for fetching the JSON data from S3. The vanilla JS frontend uses the latter and the Mapbox API to display events.

Gnit

- Working on a minimalist version control system based on Git using C# and System.CommandLine library.
- Commands so far include init, cat-file, hash-object, log, ls-tree, and checkout.

FideraAI

- Currently designing the architecture of the platform and building the foundational APIs to be consumed.
- Started this organization with the mission to promote open, local-first AI for Catholics by building a platform consisting of open-source tools and local models fine-tuned on church documents.