

# Griffin Polly

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## Summary

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Entry-level Software Developer with experience building and deploying full-stack web applications using JavaScript, TypeScript, React, and .NET. Proven impact through an industry internship delivering an internal RAG system used by 400+ employees. Strong in frontend and backend fundamentals and Agile development.

## Experience

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**Software Development Intern** Blain Supply | June 2025 - August 2025 | Janesville, WI

- Developed and deployed a retrieval-augmented generation (RAG) web application using TypeScript, React, Next.js, with integrated authentication and secure access through Azure AD, reducing internal knowledge lookup time from around 5 minutes to under 10 seconds for 400+ employees.
- Collaborated in an Agile/Scrum environment as a software developer, utilizing Git version control and Azure DevOps for CI/CD and task management, sprint planning and review.

**Undergraduate Research** University of Wisconsin-Whitewater | September 2024 – December 2025

- Engineered a semi-autonomous drone swarm of 3 drones in Python, implementing computer vision with OpenCV for navigation. Collaborated via Git in a multi-semester research team.

## Education

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**University of Wisconsin-Whitewater**, Whitewater, WI

Bachelor of Science, Computer Science | Graduated December 2025

**Relevant Coursework:** Data Structures, Theory of Algorithms, Operating Systems, Advanced Programming, Server-Side Scripting, Advanced Web App Development, Software Engineering

## Projects

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### [MTG Browser](#)

- Designed and developed a full-stack Next.js web application using third-party APIs to analyze and draft from a 30,000 card database, serving over 200 unique users across the globe this month.
- utilizes NextAuth, MongoDB, and SSR, and achieved less than 1 second load times.

### [NBA Stats Viewer](#)

- Created a PHP application to simulate NBA seasons through a relational database of 400+ players.
- Utilizes CRUD operations, MVC architecture, as well as authentication via Laravel Breeze.

### **Construction Project Management Software**

- Led a 5 person team to implement and launch a desktop application for a real construction client using Electron, React, Express.js and Node.js. I Built tools for tracking projects, sending real-time messages through web sockets, and managing user roles.

## Certification

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### [Google Professional Machine-Learning Engineer](#)

- Issued by Google Cloud, February 2025. Validates expertise in Google Cloud services including Vertex AI, TensorFlow, Keras, and Google Cloud storage.

## Technical Skills

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**Languages:** TypeScript, JavaScript, PHP, Python, C#

**Frameworks:** React, Next.js, Laravel, .NET, Tailwind

**Databases and Cloud Tools:** MongoDB, SQL, Google Cloud, Azure AI Foundry, Azure DevOps, Docker, Git

**Concepts:** OOP, MVC, CRUD, Agile/Scrum, Server-Side Rendering (SSR), REST APIs, CI/CD