

Griffin Polly

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EDUCATION

University of Wisconsin-Whitewater, Whitewater, WI

Bachelor of Science, Computer Science | December 2025

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

SKILLS

Frontend Technologies: Next.js, React, Typescript, JavaScript, HTML, Tailwind CSS

Backend and API: Node.js, PHP, Laravel, REST APIs, API Routes

Tools and Deployment: Git version control, Azure DevOps, Azure AI Foundry

Concepts: Agile/Scrum, SSR, OOP, CRUD, MVC

EXPERIENCE

Software Development Intern

Blain Supply, Janesville, WI | June 2025 - August 2025

- Developed a RAG (Retrieval-Augmented-Generation) web application using Next.js, React, Typescript, Azure AI Foundry, Azure Machine Learning Studio
- Implemented Microsoft authentication with NextAuth.js, role-based access control, contextual memory and source citation which greatly streamlined knowledge access for 400+ employees
- Collaborated in an Agile/Scrum environment utilizing Azure DevOps and Git version control

Undergraduate Research

University of Wisconsin-Whitewater | September 2024 – Present

- Developing a semi-autonomous drone swarm using Python, OpenCV, and TensorFlow
- Responsible for computer vision mapping and pathfinding algorithm implementation
- Responsible for the development of a web application for real time monitoring and control

PROJECTS

Magic: The Gathering Browser (Next.js, Typescript)

- Developed a web application for exploring Magic: The Gathering cards using a third-party API
- Implemented dynamic searching, filtering, and responsive UI elements for an engaging experience
- Utilized Next.js server-side rendering

Fantasy Basketball Simulation (Laravel, PHP)

- Developed a fantasy basketball platform where users create teams to simulate games and seasons
- Applied CRUD, MVC, and Breeze authentication

Weather Forecast Application (React, JavaScript)

- Created a responsive weather application using React for weather forecasting
- Applied JSON parsing and OOP principles to retrieve weather in real-time

CERTIFICATION

Google Professional Machine-Learning Engineer

Issued by Google Cloud | February 2025

Viewable Certificate ID: [3b94612813b14a19aa42cafd432bb331](https://www.credly.com/certificates/3b94612813b14a19aa42cafd432bb331)

LINKS

[GitHub](#) | [LinkedIn](#)