

Kyle White

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Experience

Cincinnati Insurance Companies

Software Engineer Intern

Fairfield, OH

May – August 2024, January – May 2025, September 2025 – Present

- Improved backend data retrieval through optimized SQL queries and enhanced frontend data visualization UI within the in-house monitoring and incident alert platform, improving accuracy, system performance, and clarity of displayed metrics.
- Built automation scripts in Python, PowerShell, and C# to migrate off BMC TrueSight after a 700% price increase.
- Engineered ETL pipelines to ingest and standardize events/metrics from Nagios, Dynatrace, and Splunk into a unified schema, integrating with REST APIs to populate the replacement platform.

Kroger Technology

Software Developer Intern

Blue Ash, OH

May – August 2025

- Increased unit test coverage from 60% to over 90% across 6 repositories, improving release confidence.
- Implemented CI/CD pipelines with coverage gates in GitHub Actions to enforce 90% coverage and prevent regressions.
- Validated REST APIs using Postman, updated Helm charts, and deployed microservices via Kubernetes.
- Participated in Agile development ceremonies (stand-ups, sprint planning, retrospectives) and contributed to code reviews.

Ohio State University

Teaching Assistant, Discrete Structures

Columbus, OH

August – December 2024, August 2025 – Present

- Led weekly office hours for 30+ students, clarifying algorithm analysis, recursion, and proof techniques.

Siemens Digital Industries Software

Software Developer Intern

Milford, OH

June – August 2022, June – August 2023

- Built an app for tracking intern progress and reviews, used by 70+ interns each rotation.
- Optimized performance, implemented features, and fixed bugs for Siemens intern social media app (100+ users).

Education

The Ohio State University, B.S. Computer Science and Engineering

Aug 2022 – Expected May 2026

GPA: 3.8 — Dean's List All Semesters

Projects

Lifeguard Rotation Manager — React, TypeScript, Node.js, AWS

Live Site: hilliardguardmanager.com

- Developed and deployed a full-stack web app for the Hilliard Family Aquatic Center to manage rotations, breaks, and queues for over 50 lifeguards, with dynamic scheduling logic involving randomized guard assignments and age restrictions.
- Designed AWS architecture using API Gateway, Lambda, DynamoDB, S3, and CloudFront with CI/CD via GitHub Actions.

AI Game Recommender — React, Node.js/Express, JavaScript, MongoDB, AWS

Live Site: game.kyle-white.com

- Built web app to generate personalized game recommendations using OpenAI, hosted on EC2 with Nginx reverse proxy.
- Integrated the Steam API to retrieve game library and hours played from users' Steam accounts to power recommendations.

Pickleball Analysis Web App — React, Vite TypeScript, AWS

Live Site: pickle.kyle-white.com

- Engineered a full-stack web app for tracking league matches and generating analytics (streaks, point differential, standings).
- Implemented secure Cognito authentication and serverless backend (API Gateway, Lambda, and DynamoDB).

OSU Degree Audit Parser — React, Vite, Node.js, JavaScript, AWS

Live Site: degreeauditparse.kyle-white.com

- Built during OSU Hackathon to parse degree audits, using OSU course search API for course data; interactive progress UI.

Legend of Zelda Recreation — C#, MonoGame

- Collaborated on a 6-person Agile development team to recreate the first dungeon; added a custom game mode and boss.

Skills

Languages: Java, JavaScript, TypeScript, Python, C#, C/C++, Go, CSS, HTML

Frameworks: React, Node.js/Express, Tailwind, Vite, MonoGame

DevOps: Git, GitHub, GitHub Actions, Docker, Linux/Bash, Kubernetes

Cloud: AWS (Amplify, Cognito, Lambda, API Gateway, S3, CloudFront, Route 53, EC2/Nginx)

Databases: DynamoDB, MySQL, SQL Server/SSMS, MongoDB, PostgreSQL

Software Testing: JUnit, Go test/testify, CI/CD coverage gates