

Matthew Herrmann

contact@matthewherrmann.dev | (574) 238-6056 | [linkedin.com/in/matthewherrmann-dev](https://www.linkedin.com/in/matthewherrmann-dev)

EDUCATION

INDIANA UNIVERSITY SOUTH BEND

South Bend, IN

BS in Computer Science

Anticipated May 2024

- Minor: Mathematics
- Current GPA: 3.74 / 4.00
- Member: IUSB Honors Program

WORK EXPERIENCE

INDIANA UNIVERSITY SOUTH BEND

South Bend, IN

Computer Science Tutor

February 2022 - Present

- Working as an embedded tutor and lab assistant in entry level computer science courses to answer questions and provide guidance on assigned projects.
- Hosting weekly walk-in tutoring sessions to help students review course material outside of class.

Skills: Java, Python, C, Linux, Communication

UTILIZ

Evansville, IN

Software Engineering Intern

May 2023 – September 2023

- Collaborated with a cross-functional team under the guidance of the lead software engineer to design and implement web applications using TypeScript and React.
- Gained exposure to AWS cloud services as part of the development environment, acquiring foundational knowledge in AWS technologies.
- Utilized GitHub for streamlined code collaboration and code review, while tracking project tasks, enhancements, and defects using Jira.
- Collaborated on the development of unit and end-to-end tests with Cypress, increasing codebase reliability and facilitating regression testing.

Skills: Typescript, React, AWS, GitHub, Jira, Cypress

HERTZLER SYSTEMS INC

Goshen, IN

Programming Intern

June 2022 – August 2022

- Wrote a collection of Python scripts to assist clients in migrating their company's manufacturing data from the desktop version of Hertzler's Gainseeker software to the cloud version.
- Performed a variety of SQL queries on internal databases to extract and manipulate data entries.
- Formatted and wrote the data to CSV and JSON files so that it would be compatible with the cloud's import utility.
- Utilized our software's API to allow the Python scripts to interact with various Gainseeker features.

Skills: Python, SQL

PERSONAL PROJECTS

GOLF GRIDS (MOBILE GAME)

iOS App Store

Designer and Developer – Individual Project

August 2022 - Present

- Researched and learned the key elements of Swift, the SwiftUI framework, and Core Data outside of the classroom.
- Designed an original puzzle game with a clean user interface.
- Built a native iOS application with a generation algorithm to automatically create each of the levels.
- Published and distributed under a personal Apple Developer Account since February 21, 2023.

• Link: <https://apps.apple.com/us/app/golf-grids/id1672871344>

Skills: Swift, SwiftUI, Core Data

MENTORSHIP

COIS K-12 Teachers Workshop

November 2022

IUSB Summer STEM Academy

June 2022