

# Isaiah Sherfick — Software Engineer

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## Education

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### Indiana University Luddy School of Informatics, Computing, and Engineering

Computer Science MS + BS, GPA: Grad 3.940 — Undergrad 3.662

Fall 2017 - Spring 2022

**Undergraduate specialization:** Software Engineering

**Minor:** Music Studies

**Dean's List:** Spring 2020, Fall 2020

**Relevant Coursework:** Software Engineering, Object-Oriented Software Design, Applied Algorithms, Applied Machine Learning, Operating Systems, Distributed Systems, Computer Networks, Computer Structures, Advanced Database Concepts

## Relevant Work Experience

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### Epic Systems Corporation

Software Developer

July 2022 - Present

- Maintained, enhanced, and designed cardiology charting software within the leading electronic health record system
- Effectively utilized modern debugging solutions to fix day zero operation-critical bugs on same-day timelines
- Traveled on-site to customer health systems for end user observation and feedback collection to improve the product
- Leveraged modern software design patterns like MVVC with C#, TS, JS, React, and legacy MUMPS code
- Developed effective date estimation and project management skills to ensure completion of tasks in a timely manner
- Delivered large presentations to hundreds of people at division meetings
- Explored solutions to long-standing open challenges leveraging bleeding-edge large language model technologies
- Formed friendly, professional relationships with my team to encourage an inclusive and enjoyable office culture
- Closely followed current academic AI literature to monitor for relevant developments and continually increase my knowledge

## Projects

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### WinForms Solution File Locator

Work Utility Side Project

February 2023

- Windows Forms application to figure out which of over 50 .sln files can be used to access a given source file
- Volunteer side project developed in an afternoon to solve an annoying problem
- Multiple team members utilize my tool in daily workflows to this day

### Codebase Insights VSCode Extension

Semester-long Graduate Independent Study

Spring 2022

- Independently designed, managed, and delivered a full-stack AWS-deployed VSCode extension to monitor codebase health
- Managed dynamic and fuzzy customer (instructor) requirements using agile methodologies to deliver product on time
- Integrated source control metadata from git, analytics from SonarQube, and semantical code analysis to spot problem files

### Saveable Undoable Breakout

Graduate Course Assignment

Fall 2021

- Collaborated with a team to add functionality to a previous week's project, an Atari Breakout clone
- Developed save/load functionality using JSON and the composite pattern

## Technical Skills

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**Programming Languages:** Java, Python, C, C#, JavaScript/TypeScript, SQL, ARM Assembly, R, C++, Rust, lua, MUMPS

**Tools:** Node, React, NoSQL, MongoDB, Jira, Git, Windows Subsystem For Linux, Microsoft Powershell, Confluence, bash, ssh, postgres, vim, Eclipse, Visual Studio 2022 Professional, VSCode, IntelliJ, PyCharm, Slack, Zoom, Photoshop, Microsoft Teams, Outlook, AutoHotKey, ChatGPT, OpenLLM, GPT4ALL, Google CoLab, PyTorch, TensorFlow

**Platforms:** Linux, Windows, MacOS, Heroku, Github Pages, Embedded Systems