

# Isaiah Sherfick Resume

Isaiah

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## 1 Contact

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## 2 Experience

### 2.1 Epic Systems Corporation - Software Developer

- July 2022 - Current
- Maintained and enhanced clinical cardiology documentation software
- Effectively utilized modern debugging solutions to fix operation-critical bugs
- Leveraged modern software design patterns like MVVC with C#, TS, JS, React, Python, SQL, and MUMPS code
- Selected as a version control power user to assist other developers during our migration from SVN to git
- Independently managed and completed projects from concept to production
- Ran daily standups and triaged issues to squash bugs
- Contributed to team growth by mentoring a new hire
- Traveled on-site to customer health systems to shadow end users
- Improved launch times by 20% with performance-oriented refactoring

## 3 Education

- Indiana University - Bloomington
- Fall 2017 - Spring 2022
- Computer Science MS + BS
- Undergraduate specialization: Software Engineering
- Minor: Music Studies
- Relevant Coursework: Software Engineering, Object-Oriented Software Design, Applied Algorithms, Applied Machine Learning, Operating Systems, Distributed Systems, Computer Networks, Computer Structures, Advanced Database Concepts

## 4 Projects

### 4.1 Open Ear Trainer

- <https://www.github.com/isaiahsherfick/OpenEarTrainer>
- Open source, cross platform ear training app for musicians
- Collaborated with local developers and oversaw the project
- Designed my own music theory data model which allows us to construct chords and intervals in a modular, well-abstracted way

### 4.2 Codebase Insights

- Led a team of 6 for a whole semester in grad school
- VSCode extension to monitor the health of your codebase
- Used metadata from git, Jenkins, SonarQube, and Bamboo to create visualizations
- Color-coded heat map of project files to view “brittleness”
- Parsed build stack traces to determine how often filenames appear in crashes

## 5 Open Source Contributions

### 5.1 World of Warcraft - Hardcore addon

- Contributed a feature to the most popular (at the time) WoW addon
- Added a checkbox to mute a notification sound for a toast popup
- [https://github.com/Zarant/WoW\\_Hardcore/commit/8f105d5013397ef41b4a867f9d39fb5be226](https://github.com/Zarant/WoW_Hardcore/commit/8f105d5013397ef41b4a867f9d39fb5be226)

## 6 Skills

### 6.1 Programming Languages

Happy to work in any language, even if I’ve never seen it before. Most comfortable with: C, Python, C#, JS/TS, Rust, SQL, Assembly, R, C++, Java

## **6.2 Platforms**

Linux, Windows, Mac (in that order)

## **6.3 Certifications**

Actively pursuing CompTIA Network+, CompTIA Security+, and CCNA