# Isaiah Sherfick

## Software Engineer

| 765-341-1094 | isaiahsherfick8@gmail.com | http://isaiahsherfick.com |

## Education

Indiana University:

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| *Degrees:* | Computer Science MS + BS |
| *GPA:* | 3.662 |
| *Graduation:* | 6 May 2022 |
| *Undergraduate specialization:* | Software Engineering |
| *Minor:* | Music Studies |
| *Dean's List:* | Spring 2020, Fall 2020 |

*Relevant coursework:* Software Engineering , Object-Oriented SE, Applied Algorithms, Operating Systems, Distributed Systems, Networks, Data Structures, Computer Structures, Database Concepts

## Relevant Work Experience

Indiana University:

*Undergraduate Instructor (2019 - 2021)*

*Reference:* Senior Lecturer Jeff Whitmer - jwhitmer@iu.edu | 812-855-3974

➢ Graded and held office hours for C&Unix, SQL, .Net web dev, and Android App development courses
➢ Worked face to face and virtually with students to facilitate learning and explain difficult concepts

*Assistant Instructor (2021 - )*

➢ Grading and holding office hours for C&Unix and .Net web dev for both undergrad and grad students
➢ Hosting lectures and teaching class when the instructor can't attend

## Projects

*Distributed Consistent Key-Value Store:* https://github.com/isaiahsherfick/DistributedConsistentKVStore

➢ Implemented a configurable distributed key-value store in Python
➢ Enabled the user to choose between eventual and sequential consistency, any number of clients

*Saveable Undoable Breakout:* https://github.com/isaiahsherfick/P532SaveableUndoableBreakout

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

*Roadmappr:* https://github.com/isaiahsherfick/P465-565Group11

➢ Designed and developed mock tour management system for P465 Software Engineering with a team
➢ Hosted daily standup Zoom meetings, utilized Jira board for development, weekly customer meetings
➢ Utilized full stack of NodeJS, Python Flask, and PostgreSQL hosted on Heroku
➢ Integrated many external APIs for hotels, flights, maps, etc.

## Technical Skills

*Programming Languages*: Java, Python, C, Javascript, SQL, ARM Assembly, R, C#, C++

*Tools:* Jira, Git, Confluence, bash, ssh, Vim, Eclipse, IntelliJ, PyCharm, Slack, Zoom, Photoshop

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