

# Jackson Knupp

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(937)207-0323

## EDUCATION

**The Ohio State University**, Columbus  
Computer Science and Engineering

Sep. 2020 - May 2023  
GPA 3.29 / 4.0

**Wright State University**, Dayton  
Computer Science

Sep. 2018 - May 2020  
GPA 3.82 / 4.0

## EXPERIENCE

**Educational Solutions Company** - Software Engineering Intern Jan. 2023 - May 2023

- Assembled a database using **Django (Python and SQLite)**, with a UI (**CSS and HTML**) able to be used by all teachers within the company's network.
- Created and supervised an elaborate user story board utilizing **Jira**, enhancing the coordination of our team composed of six software engineers.

**CBC Companies Innovis Web Division** - Software QA Intern May 2022 - Jan. 2023

- Worked with the Innovis Web Customer QA Team to create and implement test cases for the Innovis Web application.
- Utilized **Oracle SQL, Bash**, and regression testing tools to orchestrate the automation of testing procedures, streamlining the verification process for seamless deployment of website enhancements.
- Learned about the importance of customer security through fortifying sensitive data protection within the database through encryption, access controls, and audits.
- Involved in a team using **SCRUM** and **Agile** frameworks for software development.
- Communicated within virtual and physical environments.

**Discount Drug Mart** - Bookkeeper

Feb. 2017 - Jan. 2021

- Tasked with resolving book balancing issues through thorough analysis.
- Received Excellence In Performance Award in 2017 and 2019.

## NOTABLE PROJECTS

### Student Test Score Database

- Worked with an **Agile** team to create and implement a student test score database using **Django (SQLite, Python, HTML, CSS)**. The UI was able to be used by all teachers

### Extreme Super Mario Bros

- Recreated and reimagined classic Super Mario Bros using **C#**. Used **interfaces** and **inheritance** to have a **map** of entities within the game board. Used said **map** to handle collisions and sprites.

### Custom Compiler

- Created a compiler in **C** with the capability of compiling code written following the parameters of a custom core grammar. Coded a scanner, executor, printer, semantics checker, garbage collector, and object memory handler.

## LANGUAGES AND TOOLS

- Java, Javascript/HTML/CSS, SQL, Python, Bash, C, and C#.
- Eclipse, Django, Android Studio, MS Visual Studio, J Unit Testing, Jira, Git, MySQL, Oracle SQL, SQLite, Selenium, Putty, and Excel.