

# Eric Durbin

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## Education

**Purdue University**, West Lafayette, IN May 2023  
- BS in Computer Science  
**Northridge High School**, Middlebury, IN 4.0/4.0 GPA  
- High School Diploma

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## Professional Experience

**Dragonfly Footbags** 2017-2018  
- Ran day to day operations while maintaining the store website  
- Gained valuable experience with FBA and Shopify while also packaging and shipping products

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## Project Experience

**Midi File Parser** 2020  
- This program takes in a .midi file and displays it into a gui where the user can make modifications to the file and save it to the hard disk  
- Programmed in C and utilizes data structures such as linked lists and binary trees

**Music Generator** 2019  
- Program that randomly generates melodies with harmonic accompaniment following advanced music theory  
- Utilized tree structures, directed graphs, and ArrayList structures in Java

**Conway's Game of Life** 2019  
- Solo project that recreated the cell evolution simulator conceptualized by John Conway in Java for the purpose of gaining experience with java

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## Miscellaneous Experience

**Hello World – Hackathon** 2019  
- Created an online, real-time, collaborative code editor with source-control integration (Git Hub)  
- Placed 2<sup>nd</sup> out of 400 people  
- Languages used: HTML, CSS, JavaScript, KnockoutJS, Jinja, SQLAlchemy, PostgreSQL

**Science Olympiad** 2017-2018  
- Source Code event  
    o Solved complex math problems in the Python programming language  
- Game On  
    o Created video games using the pseudocode program Scratch

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## Technical Skills

Python, ReactJS, Java, Git, Bash, HTML/CSS, JavaScript, KnockoutJS, Jinja, PostgreSQL, SQL Alchemy