

Eric Durbin

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Website/Portfolio: <https://eric-durbin-portfolio.herokuapp.com>

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

Professional Experience

Hello World – Hackathon

2019

- Created an online, real-time, collaborative code editor with source-control integration (Git Hub)
- Placed 2nd out of 400 people
- Languages used: HTML, CSS, JavaScript, KnockoutJS, Jinja, SQLAlchemy, PostgreSQL

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

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

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

Technical Skills

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