ETHAN BROWN

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OBJECTIVE | To obtain a job for the summer of 2022

EDUCATION | **Bachelor of Science in Computer Science**   May 2024
Rose-Hulman Institute of Technology, Terre Haute, IN   3.95 GPA

Relevant Courses: Intro to Computer Systems, Object-Oriented Software Development,   Sophomore Standing
Data Structures and Algorithm Analysis, Intro to Web Development

SKILLS | Proficient in Java and C; experienced in Python, JavaScript and HTML
Conversational in Spanish

EXPERIENCES | **Rose-Hulman Institute of Technology, Terre Haute, IN**   2021
Genetic Algorithm Project

- Designed an object-oriented program that emulates Darwin's Theory of Natural Evolution, and allows for the population to be visualized and manipulated in an easy to digest way
- Communicated with a partner, and used GitHub version control
- Used the program to conduct experiments that were presented in a video format, and used the program to reproduce a hypothesis from a research paper

Codelicious, Indianapolis, IN   2017-2020
Intern and product developer

- Wrote and reviewed computer science curriculum over Java, JavaScript, the Godot Game Engine and Scratch that was sold to schools across the country
- Instructed computer science classes for summer camps on topics such as HTML, JavaScript Scratch, the Godot Game Engine, Python, and computer hardware
- Designed structure for the curriculum and gave input in team meetings

Rose-Hulman Institute of Technology, Terre Haute, IN   2021
Dijskstra's algorithm graph pathing project

- Worked in a group to construct a graph data structure and used Dijskstra's algorithm to find the shortest path from one node to another
- Saved the graph to an XML file, which is loaded in at the start of the program
- Developed a user-friendly GUI that displays each node in the graph and the connections between nodes

ACTIVITIES | Member of the Pi Kappa Alpha Fraternity   2021-Present
Member of the Alpha Lambda Delta Honors Fraternity   2021-Present
Chess Club, Rose-Hulman Institute of Technology   2020-Present
Intramural Sports, Rose-Hulman Institute of Technology   2020-Present
Coder Dojo, Westfield High School   2019-2020
Math Club and Indiana Math League, Westfield High School   2019-2020
Selected STEM Student, COMVEC   2019
Missions Trip Volunteer, Nicaragua Resource Network   2017-2019

HONORS | Rose-Hulman Institute of Technology Fall, Winter and Spring Dean's List   2020-2021
Rose-Hulman Merit Scholarship   2020