

# 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, Differential Equations

**SKILLS** | Proficient in Java and C; experienced in Python and JavaScript  
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

**Westfield High School, Westfield, IN** 2019-2020  
Engineering Design and Development Project

- Researched a variety of problems found in the community and developed a solution for one
- Wrote code on an Arduino that hosts a web server and stores relevant customer information
- Presented ideas and development process to my peers and instructor

**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