

Gavin Boland

✉ gavinboland03@gmail.com | ☎ 804-510-6417 | 📍 Midlothian, VA

Education

James Madison University

BS IN COMPUTER SCIENCE, MINORING IN CREATIVE WRITING

Harrisonburg

Aug 2021 – Present

Clover Hill High School

MATH AND SCIENCE SPECIALTY CENTER

Midlothian, VA

Sep 2017 – May 2021

Experience

BioMojo

PROGRAMMING INTERN

Research Triangle Park, NC

May 2023 – August 2023, May 2024 – July 2024

- Implemented and tested a script building tool that would allow users to generate dialogue trees and directly implement them with BioMojo's software.
- Tested and created design documents for an active field care simulation that allowed the user to review and train the necessary steps for diagnosing and treating various injuries.
- Researched the practical use and implementation of large language models for medical purposes and simulations.
- Tested a mental health training simulator designed to help the user with suicidal thoughts and tendencies.

Metro Richmond Zoo

ZOO CREW MEMBER

Mosely, VA

May 2021 – Aug 2021

- Operated a register and assisted guests in purchasing tickets
- Monitored various animal exhibits
- Maintained cleanliness of park facilities

Skills

Programming Languages: Java, Ruby, C, C#, Haskell, Rust

Technology: Command Line, Video Editing, Microsoft Office, Data Structures, Debugging

Interpersonal: Conflict resolution, Project management, Customer service, Problem solving

Extracurriculars

JMU Mental Health Club

A GROUP DEDICATED TO HELPING EDUCATE AND TREAT MENTAL HEALTH ISSUES IN THE HARRISONBURG COMMUNITY.

JMU Theater Department

WAS ASSISTANT STAGE MANAGER FOR PRODUCTIONS PUT ON BY THE JAMES MADISON THEATER DEPARTMENT

Projects

Y86

C, An assembly code simulator that intakes ELF files for instructions. Used dynamic memory allocation to emulate a heap and stack pointers.

MovieView

Java, A program utilizing the IMDB api that allows the user to search movies, actors, and more. Used polymorphism to efficiently load and present the information.