Ben Lottes

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Education
Graduating in May 2023

The University of Kansas, Lawrence, KS

Bachelor of Science in Computer Science, GPA 3.78

Certificate in Cyber Security

Leadership Positions

Treasurer, KU Artificial Intelligence Organization
September 2021 - Present

- Organized for and received funding through the University of Kansas
- Participated in creating a LSTM based neural network capable of generating music in Python
- Guided students through creating their first machine learning programs

Sign Language Interpreter Team Member, Capstone Project
August 2022 – Present

- Developed a prototype capable of classifying videos of ASL signed words
- Led implementation of final ensemble including six different models with three architectures
- Advised on future challenges and limitations that will need to be addressed

Budget Tracker Team Lead, Software Engineering Class
August 2021 – December 2021

- Headed development of data management as well as visualization with graphs in JavaFX
- Distributed tasks among the group to keep us on schedule
- Managed testing before commits to the repository

Work Experience

Student Employee - KU School of Engineering IT Center
November 2019 - Present

- Fielded phone calls and arranged for techs to resolve issues
- Diagnosed and handled IT issues for students and faculty in a timely manner
- Monitored 15 classrooms and 20 printers to ensure minimal downtime

Electronics Team Member – Target
November 2017 – July 2020

- Chatted with customers to find technology to fit their needs
- Assisted guests with fixing their devices when issues came up

Projects

- Designed and implemented a full-stack note taking CRUD application using the MERN stack.
- Created a compiler in C++ to translate a simple offshoot of C to x86 assembly code.
- Simulated a MIPS processor capable of recursion using VHDL in Xilinx Vivado.
- Used C to communicate between multiple microcontrollers and motors to steer an RC car.
- Implemented a variety of data structures in C++.

Skills

Python, R, Java, C++, JavaScript, React, MongoDB, SQL, Git, Debugging Tools(GDB, Valgrind), Microsoft Office Suite, Customer Relations, Conflict Resolution, Problem Solving, Collaboration