

# Ben Lottes

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## Education

Graduating in May 2023

The University of Kansas, Lawrence, KS

Bachelor of Science in Computer Science, GPA 3.74

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 new to coding through creating some of their first programs.

### Team Lead, Software Engineering Class

August 2021 – December 2021

- Developed a budget tracking desktop application from the ground up using JavaFX
- Headed development of data management and visualization with graphs
- 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

- Took 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
- Kept up to date on the latest devices and services that we provided
- 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.
- Wrote a shell in C equipped to run basic commands and programs with piping support.
- 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.
- Developed Battleship and Connect Four with JavaScript, HTML, and CSS
- Implemented a variety of data structures in C++

## Skills

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