

JOSHUA PRIER

joshuaprier3@gmail.com

3195386885

Cedar Rapids, IA

Education

Iowa State University, B.S. in Electrical Engineering

2024 – 2028

- Expected graduation in May 2028
- GPA: 3.82 /4.0

Thomas Jefferson High School, High School Diploma

2020 – 2024

- GPA: 4.37 /4.0

Work Experience

Cashier, City of Cedar Rapids

2022

- Collaborated with team members to ensure smooth daily operations.
- Processed transactions efficiently, handling cash and card payments with accuracy and decreasing wait time.
- Assisted customers with purchases and provided excellent customer service.
- Maintained a balanced cash drawer and resolved payment discrepancies.

Projects

Arduino Projects | Iowa State University

08/2024 – 12/2024

- Developed and programmed various Arduino-based projects, integrating hardware and software.
- Engineered a Home Security System Simulation with pushbuttons simulating doors/windows, a 6-digit passcode, an alarm, and an onboard LED indicator.
- Designed an IR Remote-Controlled Fan system to detect remote control signals via an IR receiver and toggle the fan on/off based on specific codes.
- Programmed an RGB LED Controller using PWM signals to customize colors and brightness levels for the LED.

Python Games | Computer Science Principles

08/2021 – 06/2022

- Programed games using Pythonsuch as Yahtzee, Mastermind, and Rock, Paper scissors implementing logic for playing against other programs.
- Employed modular programming techniques to structure the code into reusable functions and utilized file reading to manage game data

Skills

AutoCAD, Inventor, C, Python, MATLAB, MS Word, MS Excel, Multisim, Soldering