Luke Bird

304-840-4312 | lhblhb2004@gmail.com | linkedin.com/in/lhbird

Education

The University of Alabama — Tuscaloosa, AL

Bachelor of Science in Computer Science — *Aug. 2023 – Present*

Bachelor of Science in Cyber Security — *Aug. 2025 – Present*

Stem Path to MBA — *Aug. 2023 – Present*

Relevant Courses: Data Structures and Algorithms, Database Management Systems, Networking and Operating Systems

Skills

Languages: C, C++, Python, JavaScript, HTML, CSS, GLSL, Assembly, SQL
Tools: Git, Docker, VS Code, Vim, Google Cloud Platform, GIMP, MPLAB, PlayCanvas, Windows, Linux

Work Experience

Software Development Intern — June 2025 – August 2025

AD Interactive — *Huntington, WV*

- Composed and defended a scope of work document through 3 iterations
- Crafted an app for showcasing shader effects using Playcanvas engine and JavaScript
- Designed and implemented 6 unique 3D materials and corresponding shader effects using GLSL

Valet — May 2025 – August 2025

Guyan Golf and Country Club — *Huntington, WV*

Line Cook — July 2024 – August 2024

McDonald's — *Barboursville, WV*

Projects

Chocoholics Anonymous | *C++, Git, VS Code* — April 2025 – May 2025

- Worked with a team to develop an application in C++ that tracks medical records for a hypothetical company
- Implemented system for saving an unlimited number of medical providers and patients
- Developed 5 unique object classes for most efficient organization of data
- Created testing criteria for classes and saving functions

Four Color Map | *C++* — Nov. 2025 – October 2025

- Constructed an app which accepts a map as input and labels each country with one of 4 colors
- Wrote an algorithm which simulates the Four Color Theorem for an unlimited number of countries, ensuring that none share both a color and a border

Microcontroller Lab | *Assembly, PIC24 Microcontollers, MPLAB* — March 2025 – May 2025

- Built a circuit using PIC24 Microcontrollers, as well as an LCD Display and various LEDs
- Developed a program using Assembly that interfaces directly with the LCD display to send a short message
- Wrote Code in Assembly that dynamically changed the color of the LEDs

YahtC | *C* — March 2024 – April 2024

- Created a CLI implementation of the popular board game Yahtzee
- Simulated dice rolls and assigned corresponding scores based on the numbers kept by the player