Cole Easley

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SKILLS

- **Languages:**   C++, Java
- **Technologies:**   Git, UNIX/Linux, VSCode

EDUCATION

School   **Graduating May 2026**
Bachelor of Science in Computer Science   3.4 GPA

Relevant Coursework
Discrete Mathematics, Object-Oriented Programming(advanced programming techniques) in C++, Data Structures, Digital Logic Design, Algorithmic Design, Software Engineering, Data Structures & Algorithms

University Projects
Digital Piano | Java, JSON, Git
- Designed and implemented a digital piano application featuring user sessions, note evaluation, and metronome support.
- Developed data management modules (DataLoader, DataWriter, DataConstants) to handle JSON-based persistence.
- Collaborated in a team setting using Git for version control, merging branches and resolving conflicts.

- Followed design best practices, including encapsulation, modularity, and clear documentation.

EXPERIENCE

Personal Projects

Array Sorting | C++
- Designed a simple console-based application to take in any number of integers, and sort them, using a choice of 3 different methods specified by the User

Array Searching | C++

- Built upon the previous application to be able to take the an unsorted list, sort it, and then search for a specified value given by the user- using 3 different methods with different time complexities

Traffic Light Simulation | Java

- Developed a traffic simulation system that modeled vehicle flow through an intersection controlled by traffic lights. Implemented dynamic vehicle movement, lane switching, and statistical tracking, including average time and delays.