Matthew Johnson

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EDUCATION

University of South Carolina   **August 2026**
BS in Computer Information Systems   *Columbia, SC*
Spartanburg Community College   **June, 2024**
Associates in Science   *Spartanburg, SC*
- GPA: 3.78
- Member of Phi Theta Kappa honors society

College of the Canyons   **2019-2022**
Completed 39 credits towards an AS in Computer Science in mostly CS classes   *Santa Clarita, CA*
- GPA: 3.74

RELEVANT COURSEWORK

Computer Architecture and Assembly Language
Explored low level assembly and C. Learned how computers handle math and various other tasks using registers. Learned basics of binary. And used assembly and C to make projects.

Data Structures and Program Design
Learned data structures like linked lists, stacks, queues, trees, and hash tables. Learned about efficiency and sorting. Implemented these data structures with Java.

SKILLS

- **Skills:** Python, Java, Linux, PHP, Lua, Git, HTML, CSS, SQL, Lua, C, C#, ASM, C++

PROJECTS

Discord Bot(May 2021-Nov 2022)
Developed and deployed automated systems using Discord APIs in Python to streamline image processing and event countdowns for users. Designed features including image manipulation with the PIL library, which dynamically combined user-generated data and stored images temporarily with the IO library. Integrated an event timer using pytz, datetime, and asyncio for accurate, timezone-aware countdowns.

ClipRemover(Feb 2023 - May 2024)
Built a Python tool for automated, scheduled file deletion to optimize storage. Utilized os, datetime, pyuac, sys, and dateutil.relativedelta to delete files based on size and age, with elevated permissions managed by pyuac. The tool is configurable for any potential user.

Interpreter(Current)
Developing a Lox interpreter in Python, inspired by Robert Nystrom's Crafting Interpreters. Currently focused on character scanning, with plans to implement expression parsing and state management. This project demonstrates my interest in language design and my understanding of core interpreter components.