

Coleman Barker

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Skills and Abilities

Programming Languages: Java, C#, Python, TypeScript, JavaScript, openSCAD

Web Development: Firebase, Angular, HTML, CSS

Database: SQL

Version Control: Git, GitHub

Projects

Flashcard Exchange

Designed and built a web service that enables students and educators to easily create, manage, and share flashcards in an open online community. Leveraged a custom-trained LLM agent to automatically generate flashcards and quizzes from text documents that enable users to spend more time studying and less time creating flashcards.

Primary Technologies Used: Firebase, Angular, openAI API, TypeScript

Arcane Archivist

Developing an open-source project allowing collectors of trading cards to cheaply and efficiently sort and organize their collections. Using 3D printed and common off-the-shelf parts, collectors construct a gantry system controlled by a raspberry pi that takes inventory of cards into an SQL database and sorts and stores them into bins tagged with NFC chips.

Primary Technologies Used: openSCAD, Python, Scryfall API, SQL

Work Experience

Jun. 2020 -
Oct. 2023

Alarm Handler, *INOC/ITSavvy*

- Monitored incoming network alarms and promptly addressed them by associating them with known issues or initiating new tickets for tracking.
- Acted as a liaison between clients and carriers, ensuring comprehensive and up-to-date information flow throughout the troubleshooting process.
- Developed strong communication and problem-solving skills while collaborating with team members to resolve issues efficiently

Education

Aug. 2021 -
Jun. 2025

Bachelor of Science in Software Development

Georgia Gwinnett College

GPA 3.7

