**Coleman Barker**

Phone: 770-307-6136  
Email: [cbarker7@ggc.edu](mailto:cbarker7@ggc.edu.com) | Website: [www.TrippBarker.com](http://www.TrippBarker.com) | GitHub: https://github.com/TrippBarker

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

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| 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

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| Aug. 2021 - Jun. 2025 | Bachelor of Science in Software Development Georgia Gwinnett College  GPA 3.7 |