Darcy Geyer

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Education

The University of Adelaide   Feb. 2022 - Nov. 2024

Bachelor of Computer Science.

- Notable Coursework: Introduction to Software Engineering, Algorithm and Data Structure Analysis, and Web and Database Computing.

Projects

Automated Blackjack Card Counting System ⃝   Dec. 2023 - Present

Implementing a live card counting system using OpenCV.   *C++, Python, OpenCV*

- Will aim to provide real-time analysis of live blackjack games using a camera, providing real-time card identification, optimal betting recommendations, and enabling users to enhance their understanding of card counting strategies.

ClubHub - Social Media for University Clubs   Jun. 2023

Developed a web app for university clubs to engage with members.   *HTML, CSS, JavaScript, MySQL*

- Led a team of four in engineering an interactive platform enabling users to discover, join, and engage with university clubs.
- Enhanced the user experience with dynamic club discovery, personalized profiles, event management, and robust admin controls.
- Implemented a comprehensive notification system, including email alerts for event updates, ensuring seamless communication and engagement for users who opted for email notifications.

Pokemon Battles ⃝   Sep. 2022 - Oct. 2022

Collaborated to develop a player-vs-CPU experience with strategic battles and RPG elements.   *C++*

- Designed a strategic system allowing varied moves for players and CPU opponents, as well as scaling game difficulty, resulting in varying and tactical gameplay.
- Applied object-oriented programming principles to create a modular and scalable codebase, featuring multiple classes for players, computer players, Pokémon, and the user interface.

Volunteering and Community Involvement

The University of Adelaide Computer Science Club   Feb. 2022 - Present

Community Building and Communication.

- Actively engage in community building and communication within the Computer Science Club, fostering a supportive community.
- Contribute to the club's collaborative learning environment by providing study assistance when needed.

Ravi's Study Program   Nov. 2023 - Present

Active Member.

- Developed and shared over 150 comprehensive online flashcards, enhancing students' preparation and contributing to a noteworthy increase in the overall success rate of participants.
- Continue to engage as a proactive member, contributing to the collaborative learning environment by sharing insights, participating in discussions, and offering support to fellow participants.

Skills

Languages: C++, HTML, CSS, SQL, MATLAB

Technologies & Tools: Git, Docker