Derian Mowen

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EDUCATION

Trinity University, San Antonio, TX
May 2024
Bachelor of Science, Computer Science
Cumulative GPA: 3.219 Major GPA: 3.436

SKILLS

Languages: Scala, CSS, JavaScript, HTML, Python, Haskell
Frameworks and Technologies: Git, React
Operating Systems: Windows, Linux
Principles: Algorithms, Data Structures, Functional Languages, Object Oriented Programming, Multithreading

EXPERIENCE

Project: Dro Dungeons | San Antonio, Texas   February 2021 - May 2021
Trinity University

- Designed and developed an interactive GUI based game using Scala Fx. As well as implementing projectiles with collision and non playable characters.
- Created a networking system for the game including Sockets and Streams that allowed multiple users to interact with one another and interact within the game.

Project: Actor Mud | San Antonio, Texas   February 2021 - May 2021
Trinity University

- Designed and developed a text based video game that incorporated actors using the Akka library within the Scala programming language.
- Worked with Sockets and Streams in order to allow users to connect to the game and provide a multiplayer experience within the text based game.
- Implemented multiple different data structures throughout the project such as Binary Search Trees, Heaps, Linked Lists, and Queues.

RELEVANT COURSEWORK

Computer Science	*Functional Languages*	*Discrete Structures*
Data Abstraction	*Low Level Computing*	

INVOLVEMENT

Omega Phi Fraternity, San Antonio, Texas   March 2021 - Present
Member
Trinity Club Soccer, San Antonio, Texas   February 2021 - May 2021
Member

HONORS AND AWARDS

- Trinity University Trustee Scholarship