# Ben Eskro

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## PROJECTS

### Good Day Safety Mobile Application                    January 2023 – May 2023
Western Sydney University Capstone Project
- Created an application that would allow construction workers to anonymously report safety hazards on their worksites without fear of repercussions from direct superiors.
- Communicated with clients to create accurate user stories and define necessary functions in order to create a prioritized backlog.
- Collaborated with team members to develop both IOS and Android native apps using .NET MAUI.
- Utilized Microsoft Azure to create a cloud based relational database to support scalability and accessibility needs of the client.

### Dungeons & Dragons Web Application                    October 2023 - Present
Human computer interactions Final Project
- Created a React web application that allows players in a DND campaign to share community information such as campaign notes, non-playable character cards, and shared resources.
- Employed HTML, CSS, and JavaScript to create a visually appealing and interactive environment for players.
- Practiced Shneiderman's eight Golden Rules with a focus on Reductions of short-term memory load and Page consistency.

## RELATED COURCE WORK                                 North Dakota State University

### Human Computer Interactions
- Assessed user experiences within different applications and technologies to Identity and improve potential weaknesses in design concepts.

### Algorithm Analysis
- Evaluated the limiting behavior of different algorithms to identify their complexity while simultaneously redesigning algorithms to maximize efficiency.

### Software Development with Frameworks
- Utilized different frameworks including Angular and React to build multiple applications with varying levels of complexity.

### Computer Science II
- Applied different data structures such as Queue, stacks, linked lists, and trees to a variety of different problems with the intent of highlighting each structures strengths and weaknesses.

## LEADERSHIP EXPERIENCE

### Resident Assistant                                   August 2021 - May 2022
North Dakota State University
- Presented communication and written skills when completing incident reports and intentional conversations forms.
- Build leadership skills by guiding student residents through their college experience.
- Displayed resolve and care with residents by having difficult conversations about relationship conflicts and mental health concerns.
- Facilitated resident growth by following lesson plans, giving presentations, and scheduling community gatherings.

## EDUCATION

### North Dakota State University Graduate                    Graduated Fall 2023
Bachelor of Science in Computer Science

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