Ian McAtee

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Experience

Emergency Room Technician | August, 2019 - Present
Ivinson Memorial Hospital | Laramie, WY

- Renders and assists with emergency patient care in coordination with nursing and physician staff
- Serves as the communication hub for the emergency room, coordinating emergency responses, physician consults, and the inter-facility transfer of patients
- Performs clerical duties including documenting patient care and compiling medical records in accordance with privacy laws

Augmented Reality Research Associate | December, 2021 - August, 2022
University of Wyoming | Laramie, WY

- Utilized Microsoft's HoloLens 2 augmented reality platform to develop a variety of mixed reality applications
- Investigated and prototyped the use of mixed reality for viewing various medical imaging modalities, creating shared multi-device applications, and cross platform communication
- Responsible for the demonstration and explanation of mixed reality research projects to clients, prospective students, and donors

Education

Master of Science,
Electrical Engineering | December, 2021
University of Wyoming | Laramie, WY

Degree Highlights:
- Researched mixed reality methods for medical applications
- Helped develop a Hololens application for medical education
- 4.0 GPA

Notable Coursework:
- Haptic Robotics
- Computer Vision
- Object & Pattern Classification
- Quantum Computing
- Reinforcement Machine Learning

Bachelor of Science,
Electrical Engineering - Bioengineering Concentration | June, 2020
University of Wyoming | Laramie, WY

Degree Highlights:
- Completed additional coursework in biomedical engineering and science to earn a bioengineering concentration
- Senior project in signal processing of biomedical signals
- 3.5 GPA

Notable Coursework:
- Biosignals and Bioinstrumentation
- Digital Image Processing
- Neural Networks
- Parallel Computing/Programming
- Rehabilitation Engineering

Skills

- AR/VR Development
- C++
- C#
- MATLAB
- Python
- Unity Engine