

Harsh Patel

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EDUCATION

Texas A&M University, College Station, TX
Bachelor of Science in Industrial and System Engineering

May 2022

TECHNICAL SKILLS

- | | | | |
|------------|-------|--------------|-----------|
| • Power BI | • R | • Java | • .NET |
| • Tableau | • C# | • JavaScript | • SQL |
| • Python | • C++ | • VBA | • ReactJs |

ACADEMIC PROJECTS

Augmented Reality Heads-up Display for Flight Medics, Army Future Command/National Security Innovation Network

- The goal of the project was to design a prototype augmented reality HUD for the U.S. Army flight medics that will relay a patient's most critical information to aid in prehospital treatment.
- Role in the project involved: back-end development in C# on the Unity platform, contribution to detailed research, and contribution to the patient mortality risk algorithm in Python.

UH-60M Black Hawk Spatial Disorientation Warning System

- Design a prototype warning system that considers pilot eye movement, weather conditions and aircraft position to alert a pilot of any instances of spatial disorientation.
- Role in the project involved: compiled and analyzed previous Black Hawk crash data to identify constraints for the prototype.

EXPERIENCE

Urban Air Attractions

November 2021 – January 2022

Operations Analyst Intern

- Cleaned data to streamline and optimize the analytics process
- Analyzed and visualized warehouse data using VBA to track trends in operations
- Managed SQL database for 40+ facility locations and metadata

Bright's IT – Computer Science Department Texas A&M

August 2018 – July 2021

IT Analyst

- Troubleshooting and decoding issues with machines for students and faculty
- Produced scripts to solve recurring issues on Linux, Mac, and Windows operating systems
- Compiled data from different problem types to generate a guide for new technicians