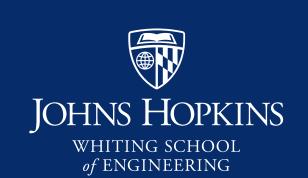


# RescueReady

Train to save lives when it matters the most



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# Introduction

environments where every second matters. Their ability to deliver life-saving care is influenced by both their medical training and their capacity to assess and react to the complex nature of most emergency scenes. However, EMS education systems currently prioritize patient care while neglecting situational awareness during emergency situations. In real- world emergencies, EMTs must do far more than follow medical protocols. They must rapidly evaluate factors considering resource availability, scene disruptions, patient needs, and more.

These decisions can greatly impact both a patient's well-being and an EMT's well-being. Because current EMS trainings do not include teachings on situational awareness, new EMTs are forced to learn these skills on the job, often through trial and error. This learning curve can lead to delayed decision-making, inefficient resource allocation, and increased risks for patients and responders.

# **Objectives**

- Improve EMT decision-making and situational-awareness through realistic, Al-driven training scenarios
- Begin with a target market of Baltimore City Fire Department (BCFD) and Baltimore County Fire Department (BCoFD)

# **Key Advisors & Validators**

#### **EMS Leadership**

- Dr. Jeffrey Nusbaum: BCoFD MeD
- Dr. Amanda Wensel: BCoFD Captain
- Dr. Jenny Guyther: BCFD Deputy MeD
- Paul Kron: BCoFD QA/QI Officer

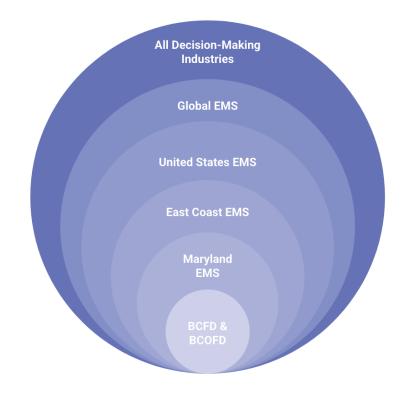
#### **EMTs**

- Raymond Zhang: BCoFD EMT
- Habin Hwang: BCoFD EMT
   Miranda limenar: BraTrans
- Miranda Jimenez: ProTransport-1 EMT
- Clayton Tomlinson: JHU HERO EMT

### **Software Visualization**

• Doug Whatley: Breakaway Games CEO

# **Target Market**



# RescueReady Platform

# Solution

RescueReady is an Al-driven application designed to complement existing training by offering an additional way to **practice rapid, high stakes decision-making** in conditions that reflect real-world challenges. The platform gives all EMTs and first responders the ability to **create an infinite number of emergency scenes**, with a focus on enhancing situational awareness and decision-making. Features such as **station based competitions and performance tracking** help keep engagement high while reinforcing critical thinking under pressure.

## **Features**







Real-Time Feedback



On-Demand, Fast Training

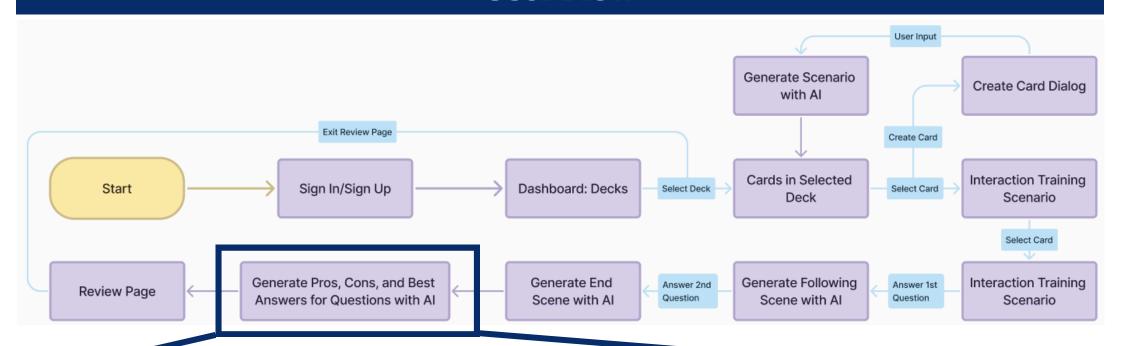


**Customizable Training** 



Leaderboards & Challenges

# **User Flow**



# **First Decision**

Question: Considering the patient's reported history and current condition, what is your initial impression?

#### **Your Answer:**

The patient may be suffering from heat exhaustion.

### Pros

- Considers environmental factors as a possible cause for the patient's symptoms.
- Sweating and confusion can be signs of heat-related illness.
- Staying alert to multiple potential causes is good EMT practice, as heat exhaustion can present similarly.

#### Cons

- The office environment and context (sitting at a desk, skipped meal, diabetic history) make heat exhaustion less likely.
- Key historical information known diabetes and missed meal more strongly suggest hypoglycemia.
- Heat exhaustion generally requires a hot environment or recent exertion, not evident from the scenario.
- Missing the most probable and reversible cause (hypoglycemia) could delay appropriate life-saving care.

#### **Best Practice Answer:**

The patient might be hypoglycemic due to her missed meal.

Given the patient's known diabetes, skipped lunch, confusion, and diaphoresis, hypoglycemia is the most likely cause. Maryland EMT protocols emphasize high suspicion for hypoglycemia in diabetics who miss a meal and present with altered mental status. Early recognition and glucose administration, if appropriate, is critical for rapid improvement and preventing further deterioration.

# Conclusion

RescueReady is an Al-driven training tool to help better prepare EMTs for the inherently complex nature of real-world emergency scenes. RescueReady empowers EMTs to make faster, smarter decisions in the field. Our mission is simple: train to save lives when it matters the most.

In the near future, find us at:

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RescueReadyEMS.com