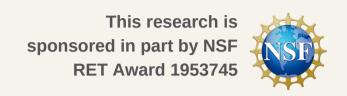


Dehazing Underwater Images to Quantify Marine Organism Behavior in Turbid Environments Alejandro Hinojos¹





generate by students



Huseyin Seckin Demir², Dr. Sule Ozev² [1] AFHS, [2] ASU School of ECEE

provided to students

Motivation

- To clean up hazy underwater images into useful formats
- Dehazing + color-restoration + depth estimation to quantify underwater motions



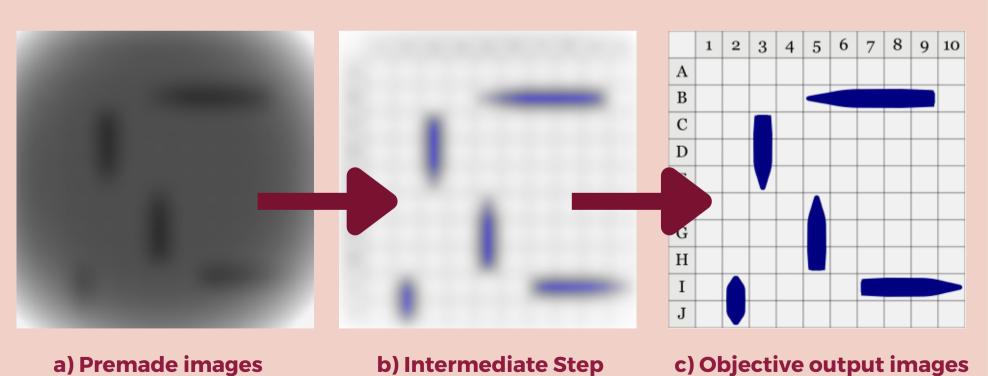
Research

- Above-sea image filtering techniques for underwater images
- Establishing best practices to produce useful outputs
- Applications: marine geology, ecology, resource development



High School Level Computer Science Lesson

- Students will be able to understand Python inputs and outputs in order to dehaze premade images
- Inquiry Lesson On Image Processing
- Group "Battleship" game between teams



Images after dehazing