

Proposal 3.0

Every 40 seconds a child becomes missing in the US. Many adults go missing as well and most are found soon, but some are not and end up dead. With efficient facial recognition technology all missing people can be found quicker and more people can be found. Using computers we can quickly analyze large groups of people for abductees, criminals, or terrorists. With advancements in technology, we can “see” different facial patterns. Beginning in our community we can enhance the ability to look for missing children. Another common problem in our area is on the border. We need to be able to observe immigrants and document them faster. Our program will eventually be able to look for convicts in a common city block. The camera will grid each face for facial patterns. Using each area of the face, it will analyze like a fingerprint for a specific number of matching patterns. All the data can then be put into a database for future use, all of it can eventually applied to add to neural nets. A series of inputs that can use a biological reasoning to solve the problem creates this net. This will be accomplished by talking to professionals and collecting data on facial patterns. The final goal of our model will be to tell identical twins apart.

Team Number:

School Name: YWiC

Area of Science: Biophysics

Project Title: Facial Recognition

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