



Project for rockstars looking to join our team of life-savers

We are eager to continue the conversation and as a next step want to learn more about how you think and your ideas for taking The Trevor Project to the next level! Please return the following project to Wilson Lee via email (Wilson.Lee@TheTrevorProject.org) 24 hours prior to your confirmed interview time. By now, you can probably tell that we love big ideas. We love ambitious plans. And we love logical, clear, **creative** thinking. So make sure that shines through!

Assignment

Your best friend is pursuing their lifelong dream of opening an ice cream shop and is scouring the internet to find as many ice cream recipes as possible. Manually reviewing recipes is time-consuming. Your friend has asked you to automate this process and filter out the bad recipes. A small dataset is given to you:

- id: int
- is_good_recipe: bool
- cooking_steps: List[str]
- ingredients: List[str]

Your goal is to

1. **Build a simple binary classifier to distinguish between good and bad ice cream recipes**
2. **Build a simple web app to demonstrate the classifier**

Be prepared to deliver a short presentation explaining your findings:

- Explain and justify the steps you used to solve this problem
- Explain what ML techniques you used and why
- Demonstrate your model and the web app

You can assume your audience will be familiar with ML and web development. Plan for 15-30 mins of presentation time where you will present your solution, plus an additional 30 mins of questions from us.

A few more notes:

- Please develop your ML model with a Python library of your choice. You are free to use whatever language or framework you prefer for the web app.
- Please don't feel obliged to find new "unseen" data to test the model. Using only the data we provide is sufficient.
- Please don't feel obligated to host the project if that isn't convenient and cost-free for you.
- Please include a README for running the app and make sure your code isn't publicly visible.

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That's it! We realize you might have questions but we've purposely left this assignment broad and, yes, somewhat vague, to see how you would approach it. Answer however makes the most sense to you. Thank you for your passion and excitement for joining our life-saving team.