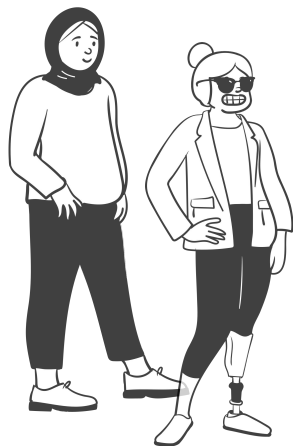


focus

Helping you
help others

AI4Good Lab Team E5





I want to volunteer at local organizations that support Autism!

Searches "Volunteering Opportunities"



Generic Search Result



Displays International and Nationwide organizations as top results

Results with **focus**
Helping you help others



UBC Anxiety Stress and Autism Program



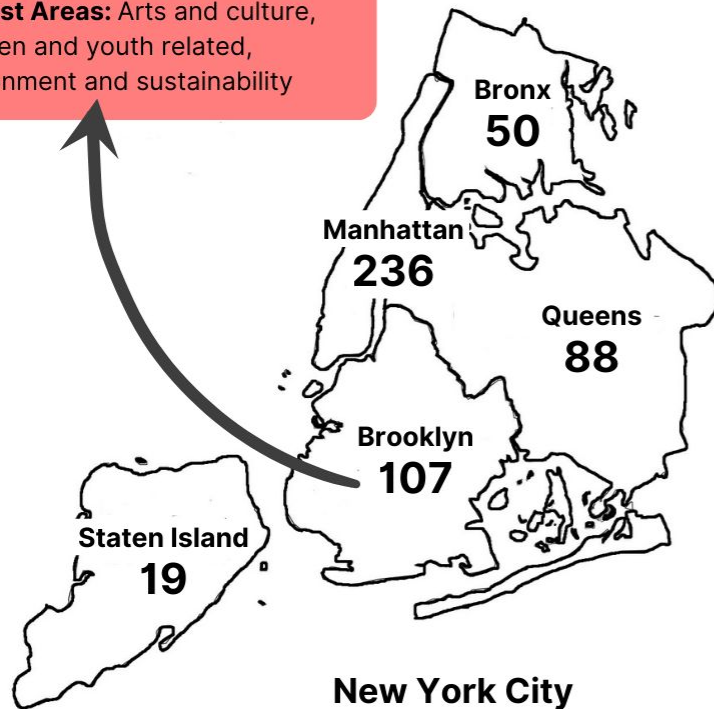
Smaller local organizations that align with user's interest are also highlighted



Our Mission

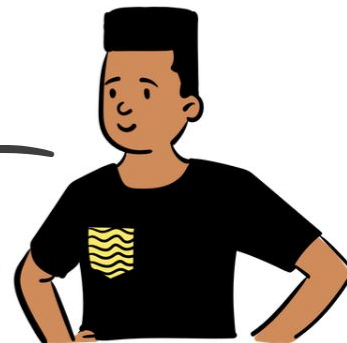
We are committed to implementing A.I. to create an efficient, engaging solution that helps you find your next volunteering endeavor.

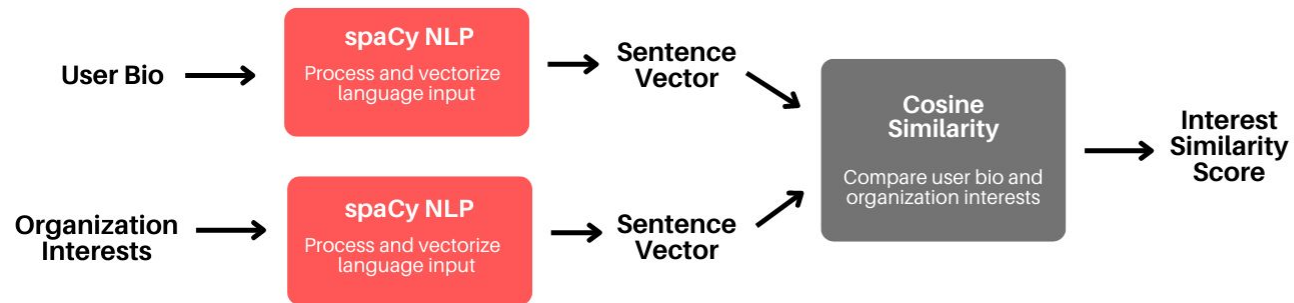
Org Name: Brooklyn Botanic Garden
Borough: Brooklyn
Age Group: 18-60
Interest Areas: Arts and culture,
Children and youth related,
Environment and sustainability

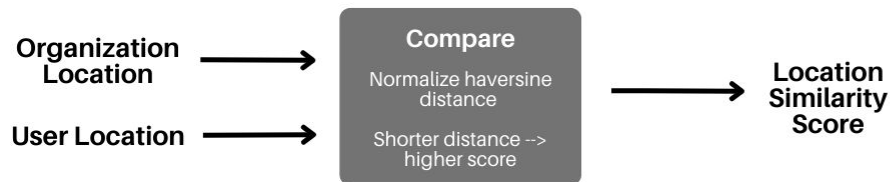
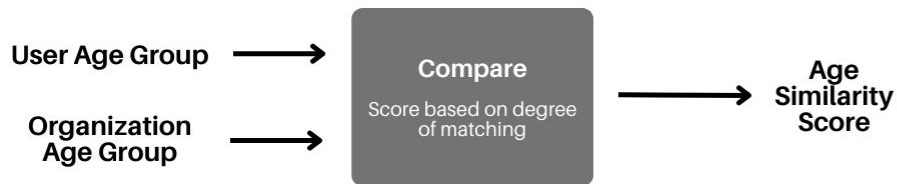
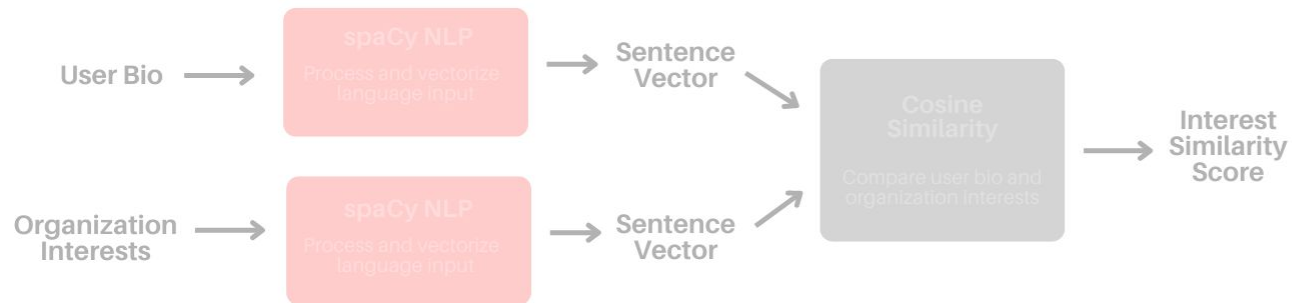


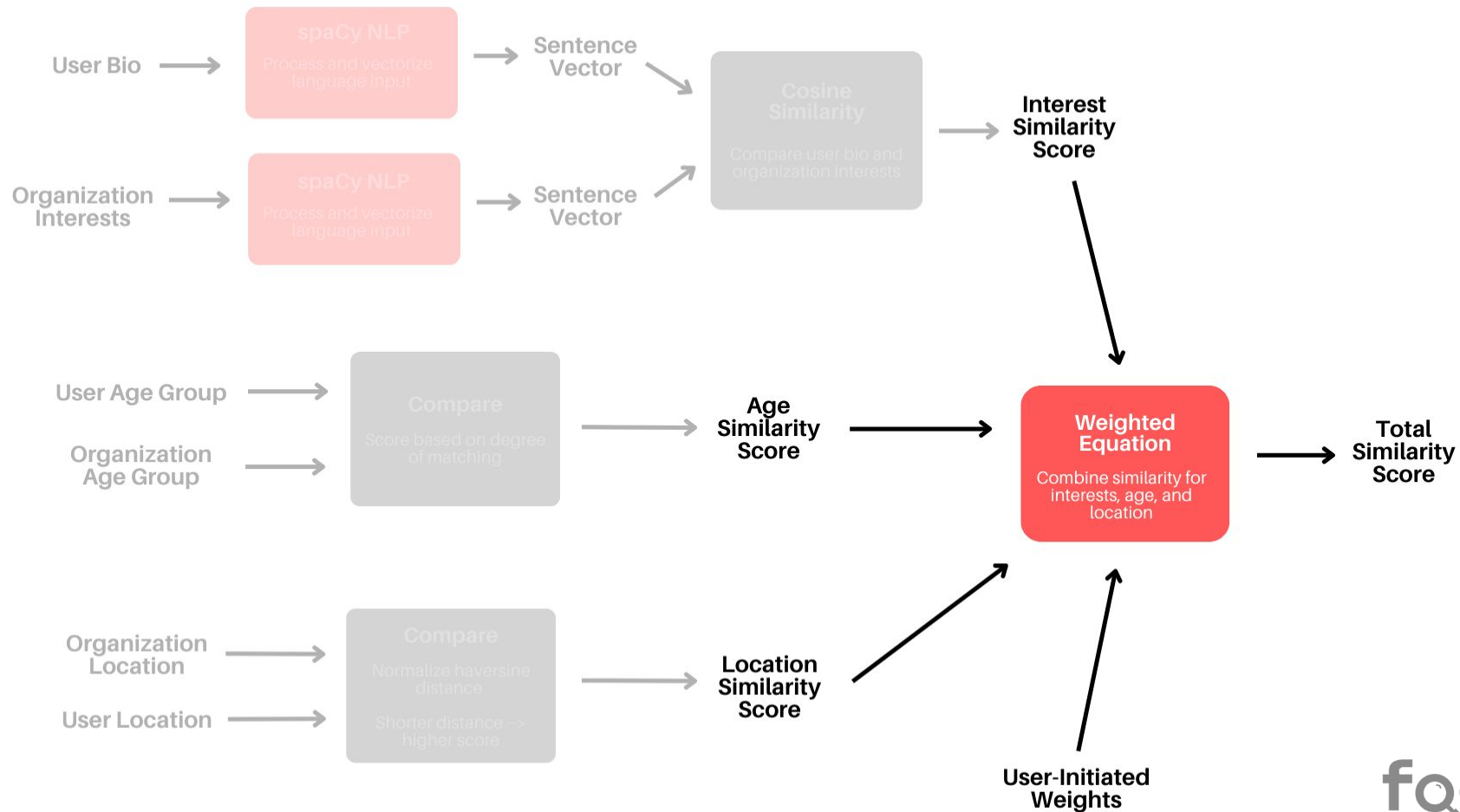
Age: 64
Borough: Queens
Bio: I like to engage in community service and help people advertise themselves to the public.
Priorities: Location, interests, age

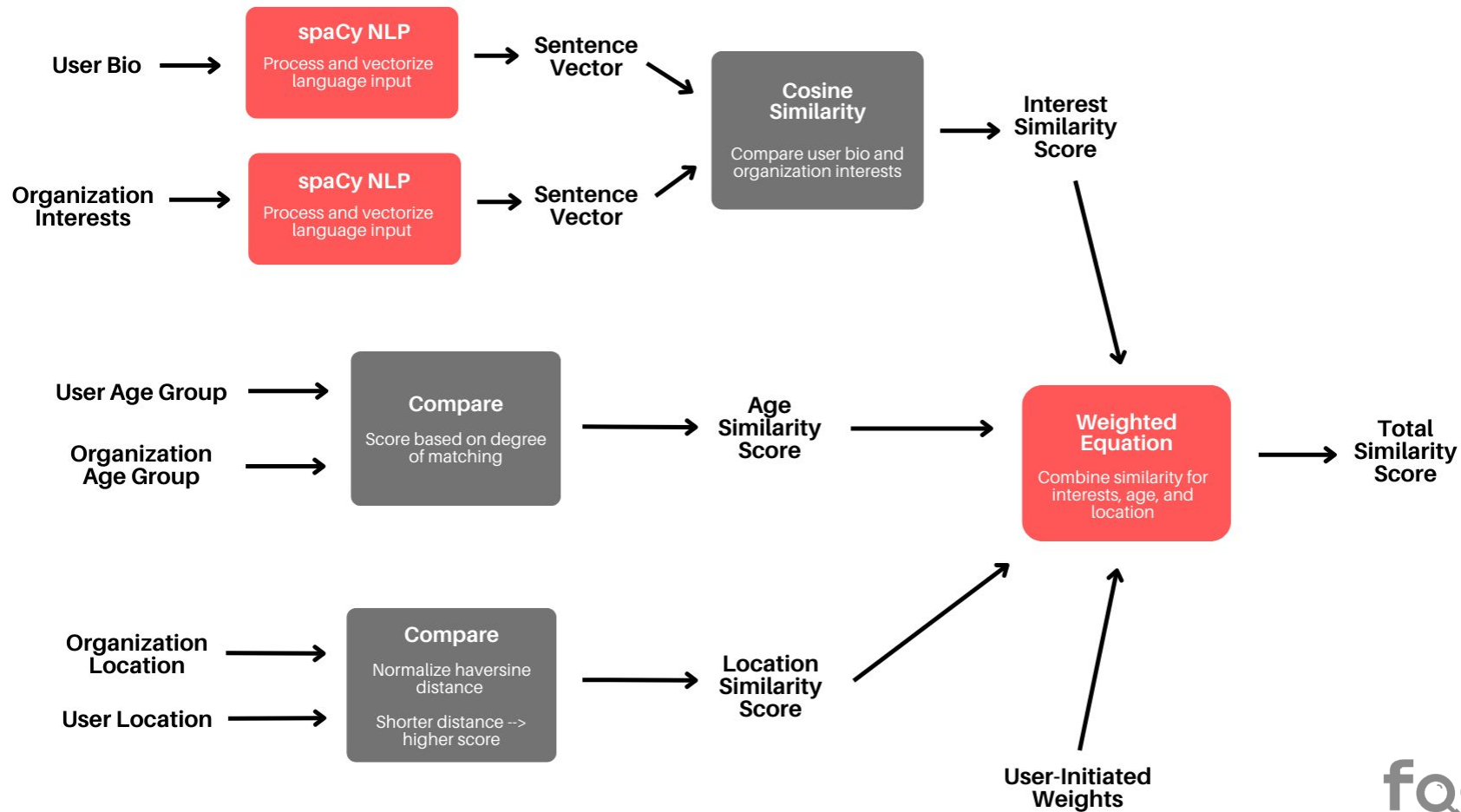
Age: 17
Borough: Manhattan
Bio: I think everyone should have access to enough to eat to be healthy. I imagine serving free food and vegetables in our local community shop. I hope to salvage old computers and repurpose them into something new and usable.
Priorities: Interests, age, location







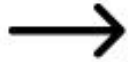




**Similarity Score of
User Interest with
Organization**



Similarity Score Age

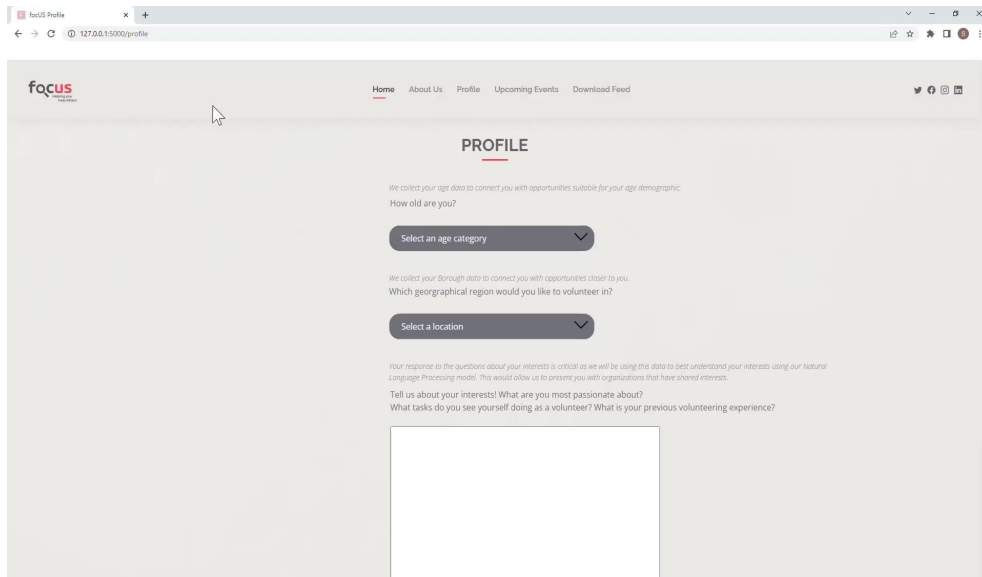


**Similarity Score of
Location**



**Model Extracts Top 5
Organizations to
Recommend Users**

Demo



Technologies Used

Backend:



Python



Pandas



NumPy



Gensim



SpaCy

Frontend:



HTML



Google Fonts



Javascript



jQuery



CSS



Bootstrap



jsPDF



Ajax

Integration:



Flask



pip



AI Model Evaluation

Users' Dataset

Fabricated by our team
from real statistical data

Features:

- Age
- Location
- Bio

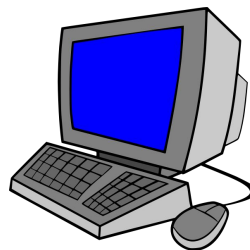
Age: 20
Location: Brooklyn
Interests:
Social services
Advocacy and Justice



AI Model
→
Recommendations

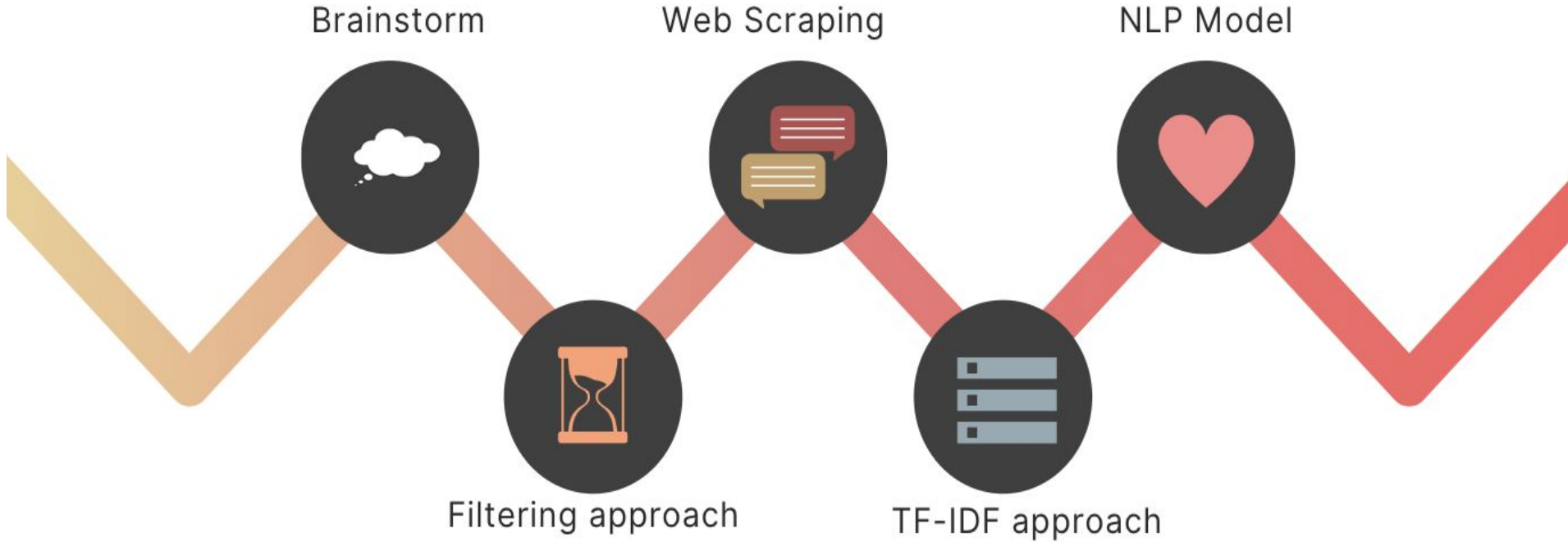
Organization Name:
Unique People Services

Dedicated Areas:
Helping people with
disabilities, **homelessness**
and other **low-income**
populations.



The recommendation result was analyzed and verified by our team, and thus, the AI recommendation model passed the evaluation and accuracy test.

Development Timeline



Future Enhancements

Backend Development

User Features

**Automate
collection of
organization info**



**Improve
recommendations
with user feedback**



**Recommend
volunteer events
and positions**



**Provide direct
contact to
organizations**



**Expand to
other
locations**



Our Team



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Thank you so much to our mentors,
our TA, and everyone at the
AI4Good Lab