**NYU was founded on the belief that a student’s identity should not dictate the ability for them to access higher education. That sense of opportunity for all students, of all backgrounds, remains a part of who we are today and a critical part of what makes us a world class university. Our community embraces diversity, in all its forms, as a cornerstone of the NYU experience.**

**We would like to better understand how your experiences would help us to shape and grow our diverse community. Please respond in 250 words or less.**

Last summer when I heard that the water in Kei Island - a remote island in Maluku, Indonesia - contained white residue, I asked for the water sample and tested it at the Indonesian Government’s water testing facility. Turns out, it contained high calcium carbonate levels, which can cause heart rhythm disturbances and kidney stones.

Immediately, I prototyped a water filter. Using a small prototype, the contaminants decreased by about 17% when the water was retested. I discussed my findings and the effectiveness of the water filter, conducted a demonstration on how to build a scaled-down model, and distributed an instruction manual on how to make the water filter to the residents of the doctorSHARE compound in Kei Island.

Being at NYU would enable me to work in the Silverman Laboratory and participate in the NYWEA Student Chapter, both of which would enable me to conduct in-depth research on a variety of water issues and have access to a community of knowledgeable professors and students who could advise me on the development of a sustainable water quality and contaminants detector.

I have developed a prototype for a water safety map that may act as a guide for people to monitor and learn more about water conditions around them. Therefore, I would love the opportunity to work in the Design Lab where I can attend workshops and acquire soft skills which could guide me in the building of the water safety map and the water quality and contamination detector. These will then be implemented around NYU and potentially in Indonesia's isolated areas.

I would devote both my ideas and dedication to participate in activities, such as research and charitable events, to gain a better understanding about sustainable water quality management and spread this knowledge to the surrounding environment in hopes of having an impact on the community.