

# Angela Ng

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## About Me:

Experienced Program Director with a strong background in strategic project development, innovation, and data analysis. Proven track record in implementing transformative projects, fostering diversity, equity, and inclusion, and aligning operational strategies with global sustainability initiatives. Adept at team leadership, mentoring, and fostering professional growth in diverse team settings.

## Education:

**Johns Hopkins University, Master of Science in Public Health 2019**

Global Disease Epidemiology and Control, Humanitarian Health.

**Carnegie Mellon University, Bachelor of Science 2016**

Civil and Environmental Engineering, Biomedical Engineering

## Certifications:

- Project Management Professional
- Certified in Public Health
- Engineer in Training
- Incident Command
- GreenDot

## Awards:

- Charles E. Thorpe Distinguished Awards Outstanding Staff 2023
- IronViz First Place 2023

## Board and Volunteer:

[Empower](#)

Energize STEM

Mindfulness Room

Humans of Project Earth

## Professional Experience

**Program Director, [Carnegie Mellon University in Qatar](#) | April 2020 - Present**

- Innovated multiple large-scale transformational value-based projects and programs, developing over 500 global leaders from ideation to execution, ensuring operational excellence, budget adherence, and strategic alignment.
- Hired, trained, mentored, and supervised a 13-member student team, enhancing efficiency and collaboration by implementing Guided Reflection on Work (GROW) method, as well as helping the team accomplish their goals across projects and the organization.
- Co-chaired the CDI Committee; innovated programs such as Karak Konnections, Diversity Dialogues, Community Conversations, Professional Development Trip, ADDvocates Course; established equitable process practices, and designed bias and bystander training.
- Pioneered sustainability strategies in line with global SDGs; researched and introduced eco-friendly campus policies and organized large-scale sustainability events.

**Zimbabwe Lead, [S.Y.STEM Coalition](#) | September 2021 - Present**

- Established the Zimbabwe Chapter, introducing Robotics and Coding to 180 students; forged partnerships and spearheaded fundraising initiatives.
- Provided teacher training in tech; taught coding, robotics, and artificial intelligence, designed expansion strategies and ensured consistent mentorship, monitoring, and evaluation.

**Research Data Analyst, Johns Hopkins School of Public Health | May 2018 – 2020**

- I enabled [Yale Child Study Center](#) to identify strategies to strengthen access, equity, and quality for early childhood education in global emergencies when I programmed and analyzed qualitative and quantitative surveys for stakeholders such as Dubai Cares.
- I helped [Global mHealth Initiative](#) to understand factors that underpinned Rural, Maternal, Neonatal, and Child Health care practices in India, measured by a 5000-women Bill and Melinda Gates impact evaluation study when I designed and analyzed a validated phone survey tool for rapid, routine collection of data in Stata.
- I helped the [Food for the Hungry](#) organization understand the Democratic Republic of Congo's baby Water, Sanitation, and Hygiene Practices as seen by a 500-household USAID study when I trained 20 field and lab assistants, supervised data collection and analysis, and documented reports and papers.
- I conducted a study with the [Center for Humanitarian Health](#) to maximize international response plans and efforts towards emergency situations and pandemic infectious disease outbreaks in 2019, in order to understand and strengthen those plans in case a global emergency were to happen.

**Product Engineer and Microbiologist, [Folia Water](#) | May 2015 - July 2017**

- Innovated a low-cost point-of-use water filtration system, bringing clean drinking water access to thousands of people in developing countries, at the same time as educating on Water, Sanitation, and Hygiene awareness.
- Transformed a non-profit to a for-profit Startup, raised \$1.5M in seed funds, developed business and marketing strategies, and created pitch decks and impact strategies. Built relationships with a variety of stakeholders to explain technical ideas and innovations of Folia Water, creating supply chain infrastructure in Bangladesh and South Africa.
- Spearheaded global field studies, monitored and evaluated the water purification efficacy and capabilities; gathered consumer insights and cultivated relationships about the viability, feasibility, and desirability of the prototypes using human-centered design and user experience practices; developed and iterated products and protocols.