

Minoli Grace Fernando

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Academics

- Vanderbilt University Undergraduate 2020 - current
 - Environmental Sociology and Medicine, Health, and Society double major
 - GPA: 3.878
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Awards and Achievements

- College of Arts and Sciences Dean's List 2020 - current
 - Vanderbilt Summer Research Program Littlejohn Scholar 2023
 - National Women's Empowerment Scholar 2020
 - 4 time winner of Cheshire High School Town Scholarships 2020
 - Avery Point Book Award for Environmental Science 2019
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Research

- Drinking Water Justice Lab at Vanderbilt University 2021 - current
 - One of the lead undergraduate writers for two manuscripts. Designed interactive figures for the Human Body Organ System Project. Working to determine a correlation between water contaminants in TN drinking water and the toxicological effects on human body organ systems based on ATSDR data.
 - Vanderbilt Summer Research Program Scholar investigating sensitive subpopulations (SSPs) and drinking water contaminants. Established an epistemological methodology for identifying SSPs, characterized water quality for SSP at the county-level, and conducted geospatial analysis of unsafe water risk among SSPs in TN.
 - Contributing to the CDC's TN Tracking Program which aims to empower healthcare providers and policy makers to make information-driven decisions about environmental health.
 - Poster presentation at Fall 2023 Vanderbilt Research Fair
 - Worked on digitization team to map water pipes in ArcGIS as part of broader TN Community Water Systems Estimated Service Area Boundaries and Water Lines project from the TN Department of Health and TN Department of Environment and Conservation
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Work Experience

- Resident Advisor 2022 - current

- Supporting and mentoring 30 residents in Lupton and helping to develop a positive living environment for residents, often resolving conflicts and planning events to engage the community.
- STEM Learning Assistant 2022 - current
 - Working with college students individually and small groups in class, taking attendance, helping with problem solving, holding out of class discussions, and presenting problem solutions to large lecture class
 - 1601 General Chemistry for 1 semester
 - 1502 Physics for the Life Sciences for 3 semesters
- Cheshire Public Schools District Substitute Teacher 2020 - current
 - Starting during the COVID-19 pandemic, I went into elementary and middle schools to lead classes during teacher shortages. Worked with kids from 1st to 8th grade.
- CUTCO Sales Representative 2020
 - Set up and managed online appointments, engaged customers with up-to-date product knowledge, and participated in product and vendor training during COVID-19 lockdown

Clinical Experience

- Shadowing in General Pediatrics 2022
 - Dr. Germain: Associate Chief of Pediatrics at Yale New Haven Hospital
 - Learned the basics of how to take blood pressure, prepare vaccines, listen to heart valves, check reflexes, and obtain an oral patient history
 - 25 hours
- Shadowing in the Vanderbilt Pediatric ICU 2022
 - Dr. King: Critical Care Pediatrics
 - Observed the analysis of MRI, x-ray scans, learned basics of how to talk to parents and family members, observed psych evaluation, saw code blue in action
 - 15 hours
- Shadowing in the Vanderbilt Operating Room 2023
 - Dr. Hester: Chief of Multispecialty Adult Division of Anesthesiology
 - Observed cardiology and neurology surgeries, learned the basic biochemistry and practical aspects of anesthesia, and shadowed rounds on post-op patients
 - 20 hours
- Global Brigades Medical Service Trip in Honduras 2023
 - Worked in triage, shadowed physicians, provided educational

- workshops and helped to distribute medicine in the pharmacy
- 40 hours

Volunteer Experience

- Project C.U.R.E. 2020 - current
 - Travel to the nonprofits warehouse and help to organize, sort, and package donated medical supplies to be shipped out to third world countries that need them for vital procedures.
- Yale Girls Science Investigation 2018-2022
 - Engaging young girls in science experiments to get them excited about STEM fields.

Extracurricular Activities

- Studio V 2020 - current
 - Campus Liaison and Secretary on executive board
 - Wellness and fitness club where I help organize local studio trainers in Nashville to do workouts with girls at Vanderbilt
 - Coordinate mental health and wellness speakers and organize yoga and meditation events
- Vanderbilt Swim Club 2020 - current
 - Practice Manager of both both dryland workouts and swim practices
- Students Promoting Environmental Awareness and Responsibility 2020 - current
 - Member of SPEAR
 - Cumberland river cleanup
 - Helped plant vegetables and herbs in the community garden

Hobbies

- Palette Art Studio 2008 - current
 - Drawing, Oil Painting, and Watercolors
 - 2 exhibitions a year at the Cheshire Public Library
 - Private exhibition at Mia's Sushi in Hamden, CT
- Piano 2009 - 2018
 - 2 recitals a year at the Whitney Center in Hamden, CT
 - Skilled in playing pieces ranging from Bach and Clementi to Cherenzy and Mozart

Updated: 4/30/23