

Jayson U. Toweh

Email: jtoweh@stanford.edu | Phone : 678 577 3200 |

Website: profiles.stanford.edu/jayson-toweh | LinkedIn: www.linkedin.com/in/jayson-toweh

EDUCATION

Doctor of Philosophy, Stanford University, School of Earth, Energy, and Environmental Sciences – Stanford, CA
Ongoing

- Program: Emmett Interdisciplinary Program in Environment and Resources
- Enhancing Diversity in Graduate Education Fellow
- Dean's Graduate Scholars
- Graduate Public Service Fellow
- John Lewis Fellow

Master of Science, Harvard University, T.H. Chan School of Public Health – Boston, MA August 2019

- Concentration: Environmental Health; **Specialty: Exposure Assessment**
- Thesis: *Evaluating the Effectiveness of Scrubber Installation on Sulfur Dioxide Emissions from Coal Electricity Generating Units*
- Abroad course: Occupational Health in Taiwan, January 2018
- Abroad experience: Mentoring and Language Acquisition in Brazil: Sao Paulo, Brazil, January 2019

Master of Business Administration, Quantic School of Business and Technology – Washington, DC August 2021

- Degree: Business Administration

Bachelor of Science, University of Michigan – Ann Arbor, MI April 2017

- Graduated with Honors
- Major: Program in the Environment, School of Natural Resources and the Environment
- Abroad field research: Ghana e-waste work. June-December 2016

Graduate Certificate, Johns Hopkins University, Bloomberg School of Public Health – Baltimore, MD (Ongoing)

- Population Health Management

CREDENTIALS/LICENSES

Certified in Public Health (CPH), National Board of Public Health Examiners May 2020
Trained Climate Reality Leader, The Climate Reality Project July 2020

HONORS AND GRANTS

Student Scholar, Northeast Energy Efficiency Partnerships	2018
Innovation Award, E-Waste Case Study, Galaxy Conference	2018
2 nd Place Princeton Environmental Ideathon, The Breathing Roof	2018
Outstanding Paper, The World's Electronic Graveyard, Harvard-Kaohsiung Medical University	2018
Outstanding Minor Award, Program in the Environment, University of Michigan	2017
University Honors, University of Michigan	2014-2017
Internship Scholar, Literature Science and the Arts (\$2,500)	2016
Excellence Award, U.S. Environmental Protection Agency	2015
Undergraduate Public Health Scholar, Centers for Disease Control and Prevention	2015
Gates Millennium Scholar, Bill and Melinda Gates Foundation (Full funding up to doctoral)	2013

PROFESSIONAL ASSOCIATIONS

American Cancer Society, Gen2End Ambassador
Gates Millennium Scholars Alumni Association, Ambassador
The Climate Reality Project, Climate Reality Leadership Corps
ImpactGiv, Goodwill Ambassador
Harvard Alumni for Climate and Environment Special Interest Group, Co-founder and member
American Public Health Association, Member
National Environmental Health Association, Member
Georgia Public Health Association, Member
Georgia Environmental Health Association, Member

PROFESSIONAL EXPERIENCE

- Stanford University, Doctoral Researcher** **September 2021-Present**
- Doctoral research assistant in the Emmett Interdisciplinary Program in Environment and Resources
 - Research focuses on identifying the health, environmental, and social impacts of climate change and creating co-benefits from developing sustainable energy transition.
 - Conducting work with faculty in Energy Resources Engineering and Earth System Sciences departments
 - Website: <https://profiles.stanford.edu/jayson-toweh>
- The World Bank, Consultant** **October 2022-Present**
- Working on identifying opportunities for infrastructure improvement and investments
 - Goal is to reduce the effects climate change has on health and the healthcare sector
 - Applying a multifaceted methodology to assist climate, health, economic, and environmental benefits from the investments
- Second Nature, American is All In Higher Education Climate Fellow** **January 2023-Present**
- Conducting cross sectoral research for the America is All In initiative
 - Working with universities and municipalities on aligning climate commitments and initiatives
 - Working on publications related developing and implementing climate programs and strategies at different universities
- United Nations Foundation, Climate Science Fellow** **June-September 2022**
- Worked in the Climate and Environment Team as a summer fellow
 - Translated the most recent and upcoming IPCC Report to impacts on a regional level
 - Identified the current state of Indigenous Knowledge in the current reports and developing ways to incorporate more
 - Assessed the energy use and environmental footprint of the organization and identifying offsets to purchase
- Harvard University, Board of Overseers** **August 2020-Present**
- Elected from the 40,000 alumni voters to serve a six-year term on the Board of Overseers
 - The highest democratically elected governing board of the University
 - Serve as a consultant and manager for the strategic direction of the University's academics and programs
 - An executive-level role at the University
 - The first petition candidate elected since Archbishop Desmond Tutu in 1989
- Graduate Public Service Fellow, Haas Center for Public Service** **September 2021-May 2022**
- Part of the Graduate Public Service Fellows for the 2021-2022 academic year
 - Participate in biweekly trainings, and discussions on how to conduct community based research and work in the public service field
 - The fellowship entails working with a local non-profit on a project to help achieve their goals
- John Lewis Fellow, The Faith & Politics Institute** **January-July 2022**
- Part of the inaugural cohort of the John Lewis Fellows
 - Six-month fellowship that includes community engagement in Washington, D.C., a Congressional Civil Rights Pilgrimage, and virtual trainings.

- Examining John Lewis' nonviolent philosophies and its principles and strategies, and identifying their applicability to current issues
- <https://www.faithandpolitics.org/meet-the-inaugural-cohort-2022>

HPHR Journal, Fellow

August-December 2021

- Four-month fellowship with the HPHR Journal formerly known as the Harvard Public Health Review
- Writing eight blog/podcasts on "Examining the Interconnections of RHEC: Race, Health, Education, and Climate"
- Website: www.hphr.org

Polygence, Mentor

September 2021-Present

- One on one mentoring program between students and a selected mentor
- Students work on various projects ranging from podcasts to research papers to docuseries to creative portfolios
- Helping guide the students through their projects, creating assignments, offering feedback, and providing assistance throughout the program
- Website: <https://app.polygence.org/dashboard/mentor/8963>

U.S. Environmental Protection Agency (EPA), Management and Program Analyst

May 2018-October 2021

- Worked as a Management and Program Analyst in the Office of Inspector General, Office of Evaluation
- Worked in the Water Directorate to evaluate and review EPA's water programs and responses to water-related issues
- Worked on OIG reports related to the Flint Water Crisis; the responses to Hurricane Harvey, Irma, and Maria; and COVID-19 impacts on tribal water systems
- Conducted audits and evaluations based on the GAO Yellow Book Standards
- Experienced working with Clean Water Act sections 303, 401, and 404

Harvard Forward, Candidate

October 2019- August 2020

- Ran as a candidate for the Harvard Board of Overseers, the highest elected government body of governance,
- Had 5,000 alumni sign a petition to reach the ballot
- Harvard Forward is a coalition of alumni, students, and faculty seeking to address both the symptoms and the causes of Harvard's insufficient response to the climate crisis, www.harvardforward.org
- Worked to elect five candidates to the Harvard Board of Overseers to move Harvard toward divesting from fossil fuels, committing more resources to climate-focused initiatives, including recent alumni into the governance, and giving a greater voice to students
- Host events across the world to gather support.
- Successfully elected three of the five candidates to the Board of Overseers

Harvard Law School, Legal Intern

August 2018-January 2019

- Participated in the Emmett Environmental Law & Policy Clinic
- Researched and drafted proposals for municipal organics waste disposal licensing, standards, and enforcement for an environmental non-profit in Boston, Massachusetts
- 220+ hours of legal experience

Center for Sustainable Energy, Clean Vehicle and Business Development Intern

February-May 2018

- Assisted applicants to the Massachusetts Offers Rebates for Electric Vehicles (MOR-EV) and the Connecticut and Electric Automobile Purchase Rebate (CHEAPR) programs.
- Worked with team members in completing rebate processing and tracking progress
- Researched key engagement strategies for informing stakeholders about the electric vehicle industry
- Assisted in the coordination and participation in outreach consumer events
- Researched opportunities for business development and expansion

Harvard T.H. Chan School of Public Health Environmental Health Department, Take Home Study Research Assistant

January-May 2018

- Assisted in the Take Home Study, looking at occupational exposures brought home from various workplaces
- Conducted home visits, during which the worker is interviewed
- Collected dust samples from home and fill out an observation checklist
- Paper: *Factors Affecting Lead Dust in Construction Workers' Homes in the Greater Boston Area*: <https://doi.org/10.1016/j.envres.2020.110510>

Harvard T.H. Chan School of Public Health Environmental Health Department, Inorganic Chemistry Lab
Research Assistant **June 2017-March 2018**

- Assisted faculty and staff on a variety of projects related to the health effects of air pollution
- Assisted in conducting measurements for indoor air quality and asthma studies
- Conducted reflectance tests on outdoor black carbon on filters
- Conducted measurements on air filters and gravimetric weighing

XL Hybrids, Massachusetts Clean Energy Center Clean Energy Intern **October-December 2017**

- Worked with state departments on efforts to use the Volkswagen Environmental Mitigation Trust to electrify/hybridize their vehicles
- Analyzed and created Excel and PowerPoint reports from vehicle telematics data regarding the performance and health of in-field hybrid vehicles
- Performed market studies on competitors, potential partners, and addressable markets
- Summarized and follow-up on trade show vendor product information
- Processed vehicle sale incentive applications
- Produce monthly management key metric reports
- Assisted with assembling and producing final grant applications and other reports. Track activities of key stakeholder groups (customers, partners, government, competitors)
- Assisted with other general administrative needs, including incoming calls/emails. Assist other technical and nontechnical groups as needed.

U.S. Environmental Protection Agency (EPA), ORISE Fellow **June 2016-June 2017**

- Developed a training document on “How to leverage 3rd parties to grow a green freight program” to be used by international green freight programs
- Analyzed the state of engagement of SmartWay Transport Partnership 3rd party Affiliates
- Analyzed feedback form responses and reached out to each affiliate State Trucking Association
- Created an affiliate newsletter and newsletter and material for National Truck Driver Appreciation Week

University of Michigan School of Natural Resources and the Environment, Research Assistant **June-Dec 2016**

- Developed and conducted research on a case study about electronic waste processing in Ghana
- Wrote a case study and podcast on Electronic Waste for Michigan Sustainability Cases found here: <http://www.learnmsc.org/cases/ewaste-in-ghana#/>
- Conducted field research on the health and environmental issues created by Electronic Waste in Accra, Ghana and Agbogbloshie slum; the research has been submitted to World Development Perspectives for publication
- The case study is used in Environment 380: Mineral Resources, Economics, and the Environment, as a learning tool and was utilized in other U.M. classes as well
- Assisted in running the Ghana Coastal Ocean Environment School, which consisted of over 100 students found here <https://coessing.org/>
- Interviewed several stakeholders from e-waste workers, Ghana EPA employees, Ministry of Trade and Industry, National Youth Authority, Jekora Ventures waste management, Black Star Solar non-profit, and Help the African Child non-profit, and Dr. Tom Robbins from UM SPH for a podcast component of the case study

Graham Sustainability Institute (University of Michigan), Student Sustainability Initiative Administrative Coordinator **September 2016-April 2017**

- Worked on connecting students and administration together to jointly accomplish sustainability/environmental projects
- Met with other sustainability leaders to work on increasing sustainable practices and initiatives on campus
- Served as a resource to over 30 student groups to foster collaboration
- Planned roundtables, review grant applications, and coordinated sustainability events and initiatives

U.S. Environmental Protection Agency (EPA), SmartWay Transport Intern **June-July, 2015**

- Created and developed a training program for dealers to market EPA SmartWay Designated tractors and trailers to customers. The training program is now used to educate the dealers.
Created an instructional presentation and video, explaining the navigation to find EPA SmartWay tractor and trailer logos. The video was placed on SmartWay's Partner Portal for over 3,000 partners to see, and the presentation is

found at <https://www.epa.gov/sites/production/files/2016-06/documents/smartway-tractor-trailer-logousageinstruction.pdf>

- Created this webpage: <https://www.epa.gov/smartway/how-apply-smartway-logo-your-smartway-tractors-and-trailers>

Kaiser Permanente TownPark Comprehensive Medical Center, Business Administration Intern Jan-May, 2013 •

Conducted research on how to improve patient satisfaction for the hospital

- Analyzed patient satisfaction levels at different departments, determined which factors impact patient satisfaction the most, compared the satisfaction levels of different races, gender, and income levels
- Both patients and employees rated Kaiser Permanente highly in satisfaction levels. Patients believed that check-in time should improve. Employees felt that communication between staff and patients should be improved.
- Improving both check-in time and communication between staff and patients would improve patient satisfaction.

VOLUNTEERING

American Cancer Society

- Participated at the 2020 American Cancer Society Cancer Action Network Leadership Summit and Lobby Day
- In the Gen2End delegation of young professional leaders. Over the next year with U.S. Representatives to lobby for adequate and innovative health care policy

Gates Millennium Scholas Alumni Association

- Serve as an ambassador in the GMS Alumni association
- Organize social, networking, and education events for GMS Alums and scholars in the Atlanta area

The Climate Reality Project

- Trained by Al Gore to become a leader in climate change knowledge
- Work in the Atlanta Chapter to host events, presentations, and activities that teach and engage the public in climate change education and research

Harvard Alumni for Climate and Environment Special Interest Group

- Work to engage, and educate Harvard alums about climate and environmental issues
- Participated in the HACE and Climate Reality Project educational initiative with the goal to climate education to business leaders

American Red Cross

- Assist with the management of blood drives in the Atlanta area

ImpactGiv

- Serve as a Goodwill Ambassador
- ImpactGiv pairs micro-philanthropists, who are ready to contribute to a good cause, with social and sustainability activists and changemakers, who require funding for their impact-driven projects
- The non-profit prioritizes the implementation of the United Nations Sustainable Development Goals

Citizen's Climate Rally, Organizer

- Organized event with hundreds of attendants (Article: http://www.mlive.com/news/annarbor/index.ssf/2017/02/hundreds_march_in_pro-environm.html,
- Video: <https://www.youtube.com/watch?v=oIyc3zyAFic>) Michigan

Michigan Climate March, Planner and Organizer

Planned and organized the Michigan Climate March. The march occurred during the COP21 Paris Climate talks on December 12, 2015. Reached out to hundreds of organizations, did T.V. appearances for advertising. Worked weekly with other members from the University of Michigan and Ann Arbor community to plan the march. Overall over 850 people attended the march. Served as the principal videographer for the march.

Sustainable Laundry Practices Program, Co-creator

- Created and implemented a new sustainable laundry practices program in the residence halls at the University of Michigan. Had new sign placed in all 40+ campus laundry rooms. The program focuses on getting students

conscious of their energy use, as well as conserve energy. Found at: <http://sustainability.umich.edu/environment/211/sustainablelaundrypractices>.

Central Student Government Earth Day, Organizer

- Organized the student government Earth Day across the University of Michigan campus for three years ([Michigan Daily](#) newspaper interview and article: <https://www.michigandaily.com/news/earth-day-diag>).

Students for Clean Energy West Virginia Trip, Organizer

- Organized the trip for two years, created a documentary on mountaintop removal coal mining about visiting West Virginia. Organized SfCE Mountain top removal mining discussion.
- Organized SfCE Addressing Climate Change: U.S. and international policy for the 21st -century lecture over 100 people intended (interviewed about it in this Michigan Daily article: <https://www.michigandaily.com/section/campuslife/university-faculty-assess-climate-change-policy-undertrump-administration>).

Call to Action, letter writing and phone banking to senators events, Organizer

Green Career Fair (for environmental jobs), Organizer and Volunteer

Timmy Global Health “Pie in the Face” Fundraiser volunteer, and “Glow Run” volunteer.

Club Ultimate Frisbee, member.

CONFERENCES AND PRESENTATIONS

- Harvard-Kaohsiung Medical University Mini Research Symposium on Environmental Medicine 2018**, Presentation on “The world’s electronic graveyard: What is the solution to Ghana’s e-waste dilemma?”
- DayCon 2018, Harvard Science in the News**, The World’s Electronic Graveyard: What is the solution to Ghana’s ewaste dilemma?, Presented a 20-minute presentation at DayCon 2018. Available here: <https://www.youtube.com/watch?v=0eP48yfA8Dw>
- Planetary Health Annual Meeting 2019, Planetary Health Alliance**, Electronic Graveyard: What is the solution to Ghana's e-waste dilemma?, Presented a poster at the 2019 Planetary Health Annual Meeting
- Galaxy 2019, University of Michigan SEAS**, Innovation Award presenter
- APHA 2020 Annual Meeting and Expo**, Selected abstract presenter. Abstract Title: *Evaluating the effectiveness of scrubber installation on sulfur dioxide emissions from coal electricity generating units*

PANEL PARTICIPATION

- APHA 2020 Annual Meeting and Expo**, Selected abstract presenter. Abstract Title: *Evaluating the effectiveness of scrubber installation on sulfur dioxide emissions from coal electricity generating units*
- First Gen Grad Life, Amherst College**, April 2018, Was a panelist for a discussion on graduate school life for first-generation students.
- Candidate Town Hall**, Harvard Forward, March 2020, Discussed the Harvard Forward platform and answered submitted questions.
- aEarth Day 50**, Earth Day Initiative, April 2020, Discussed how the Harvard Forward campaign was working to combat the climate crisis
- Harvard Forward Town Hall on the intersection of climate, health, and racial justice**, July 2020, Facilitated by individuals from Earth Day Initiative, Plus1Vote, and Sierra Club Foundation
- Young Elected Leaders Panel**, Harvard Forward, August 2020, Discussion on how young individuals can run for office and govern.
- Actually Confronting the Climate Crisis**, September 2020, A discussion on Harvard’s role in the climate crisis and how the university can move forward and create institutional change.
- Toward a Just and Equitable Carbon Neutrality Plan**, November 2020, A discussion on the relationship between social and climate justice and how they drive the University of Michigan's carbon neutrality plan. The panel also included Michigan's Lieutenant Governor Garlin Gilchrist Video: https://www.youtube.com/watch?v=2UwJFOU-xa8&ab_channel=VoicesforCarbonNeutrality

Moderating Experience

- **Addressing Public Health through Economic Opportunity – A Conversation with (former Delaware Governor) Jack Markell on Effective Public Service**, Student Moderator, Served as the student moderator for the discussion with Governor Markell. Overview: <https://www.facebook.com/VoicesHSPH/videos/meet-jayson-toweh-student-moderator-for-gov-jack-markell/296511367706315/> , Article: <https://www.medium.com/@VoicesHSPH/addressing-public-health-through-economicopportunity-aconversation-with-jack-markell-on-a243d1d6bc27>
- **Conversation with former EPA Administration Gina McCarthy, Climate Leaders Program**

PUBLICATIONS

- Le, X. T. T., Dang, K. A., **Toweh, J.**, Nguyen, Q. N., Le, H. T., Toan, D. T. T., ... & Ho, R. C. (2020). **Evaluating the psychological impacts related to COVID-19 of Vietnamese people under the first Nationwide partial lockdown in Vietnam.** *Frontiers in psychiatry*, 11, 824. <https://doi.org/10.3389/fpsyt.2020.00824>
- Canavati, A., **Toweh, J.**, Simon, A., & Arbic, B. (2020). **The World's Electronic Graveyard: What is the solution to Ghana's e-waste dilemma?** *World Development Perspectives*. <https://dx.doi.org/10.7302/4867>

OP-EDS

- Toweh, J. (2020). The collision of race, health, education, and climate. Medium. <https://medium.com/@jtoweh/thecollision-of-race-health-education-and-climate-f7a0358e8172>
- Toweh, J. (2020). Taking action on climate Apartheid: environmentalism is not an option. Our Daily Planet. <https://www.ourdailyplanet.com/story/taking-action-on-climate-apartheid-harvard-forward/>

BLOGS/VLOGS

- Interview with Kristy Drutman, Founder, Brown Girl Green: Environmental injustice: how race, health, and climate are intertwined; <https://hphr.org/jason-toweh-interview-with-kristy-drutman-founder-brown-girl-green/>
- Interview with Shane Gray, Founder, United UVC Inc.: Engineering a new way to prevent pandemics; <https://hphr.org/jayson-toweh-interview-with-shane-gray-founder-united-uvc-inc/>
- Interview with Shalen De Silva, Founder, Vincere Health: Providing healthcare access and benefits from healthy living to vulnerable communities; <https://hphr.org/interview-with-shalen-de-silva-founder-vincere-health/>
- Interview with Pinak Joshi, Medical Science Liaison, CareDX (former Drug Safety and Pharmacovigilance Specialist, Technical Resources International) and United UVC Board Member; <https://hphr.org/interview-with-pinak-joshi-medical-science-liaison-caredx-former-drug-safety-and-pharmacovigilance-specialist-technical-resources-international-and-united-uvc-board-member/>

NEWS ARTICLE FEATURES

Harvard University Board Gains Backers of Fossil Fuel Divestment (August 2020):
<https://www.wsj.com/articles/harvard-university-board-gains-backers-of-fossil-fuel-divestment-11598038138>

Climate Activists Gain Seats on Harvard Oversight Board (August 2020):
<https://www.nytimes.com/2020/08/21/climate/havard-board-climate-change.html> \

New Overseers, Alumni Association Directors Elected (August 2020):
<https://news.harvard.edu/gazette/story/2020/08/new-overseers-alumni-association-directors-elected/>

Harvard Activists' New Fossil Fuel Divestment Strategy: Make it an inside job (August 2020):
<https://grist.org/climate/harvard-activists-new-fossil-fuel-divestment-strategy-make-it-an-inside-job/>

Fossil Fuel Divestment Activists Win 3 Seats on Key Harvard Board (August 2020):
<https://nonprofitquarterly.org/fossil-fuel-divestment-activists-win-3-seats-on-key-harvard-board/>

Universities Cut Oil Investments as Student Activism Builds (July 2020):
<https://www.wsj.com/articles/universities-cut-oil-investments-as-student-activism-builds-11594719181>

Harvard Forward Candidates Say Digital Campaign Plays to Their Strengths (July 2020):
<https://www.thecrimson.com/article/2020/7/17/harvard-forward-campaign-online/>

Harvard's Postponed Board of Overseers Election Will Begin July 1, Conclude August 18 (June 2020): <https://www.thecrimson.com/article/2020/6/18/harvard-overseers-election-new-date/>

All Five of Harvard Forward Candidates Listed on Board of Overseers Ballot (February 2020):
<https://www.thecrimson.com/article/2020/2/19/harvard-forward-overseers-ballot/>

Divestment Slate Achieves Plan on Overseer Ballot: <https://harvardmagazine.com/2020/02/harvard-divestment-overseer-slate>

Harvard Forward is Trying to Change the Board of Overseers. Here's Who They're Endorsing (January 2020):
<https://www.thecrimson.com/article/2020/1/31/harvard-forward-profiles/>

Taking action on climate Apartheid (January 2020): <https://www.ourdailyplanet.com/story/taking-action-on-climate-apartheid-harvard-forward/>

How a young alumni movement wants to change Harvard's investment policies (November 2019):
<https://www.harvardmagazine.com/2019/11/how-a-young-alumni-movement-wants-to-change-harvard-s-investment-policies>

The Greta Thunberg generation pushes Harvard to deal with climate crisis (November 2019):
<https://www.bostonglobe.com/opinion/2019/11/03/the-greta-thunberg-generation-pushes-harvard-deal-with-climate-crisis/BGK7Ru5GL69ZYnj5110yoK/story.html>

Students examine how climate change affects health (May 2018):
<https://www.hsph.harvard.edu/news/features/students-climate-change-health/>

The lonely fight to save an EPA lab from Trump's climate cuts (May 2017):
<https://www.cenews.net/stories/1060054382>

LSA town hall unpacks controversy surrounding Dakota Access Pipeline (March 2017):
<https://www.michigandaily.com/section/campus-life/lsa-town-hall-unpacks-controversy-surrounding-dakota-access-pipeline>

Jayson Toweh Student Profile (February 2017): <http://sustainability.umich.edu/news/jayson-toweh-student-profile>

University faculty consider effects of Trump presidency on climate change policy (November 2016):
<https://www.michigandaily.com/section/campus-life/university-faculty-assess-climate-change-policy-under-trump-administration>

Interviewed on Fox 2 News Detroit about Michigan campus climate and environmental policy:
<http://www.fox2detroit.com/news/let-it-rip/218295530-story>

Interviewed on Wolv-TV about Michigan campus climate and environmental policy (November 2016)
(<https://www.youtube.com/watch?v=EahiGD9pI-o>).

In the Michigan Daily newspaper about University of Michigan sustainability efforts (November 2016)
<https://www.michigandaily.com/research/sustainability-efforts-progressing-university-annual-survey-shows/>

LANGUAGE AND OTHER SKILLS

- **Latin** – advanced reader, writer
- **Portuguese** – elementary speaker, reader, writer
- **Statistical software** – R Studio, STATA, SPSS
- **Air Dispersion Software** – HySPLIT Average Dispersion, AERMOD
- **Film** – Skilled in documentary filmmaking
- **Endurance Athlete** - Marathon Runner