

Jayson U. Toweh

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Summary of Qualifications

Possess great knowledge of environmental/sustainability topics, great communication skills, great leadership skills, skills of engaging people in activities, work well in teams, great with media/computer software, skilled event planner and organizer.

Education/Academic Experience

Harvard University, T.H. Chan School of Public Health, Boston, Massachusetts

Degree Program: Environmental Health-Master of Science. Expected Graduation: Spring 2019

Concentration: Exposure, Epidemiology, and Risk-Environmental Exposure Assessment

Cumulative GPA: **3.26**

University of Michigan, Ann Arbor, Michigan

Major: Program in the Environment-Bachelor of Science. Graduated: Spring 2017

Minors: Energy Science and Policy-BS; Science, Technology, and Society-BS

Cumulative GPA: **3.41**, GPA in Major: **3.7**

Awards/Scholarships:

Center for Disease Control and Prevention (CDC) Undergraduate Public Health Scholar 2015; Oak Ridge

Institute for Science and Education Fellow 2016, United States Environmental Protection Agency (US EPA) Award of

Excellence 2015; Gates Millennium Scholarship recipient 2013; Program in the Environment Outstanding Minor Award Winter

2017; Literature, Sciences, and the Arts Internship Scholarship Summer 2016; University Honors (3.5+ semester GPA) Fall

2014, Winter 2015, Fall 2015, Winter 2016, and Winter 2017

Student Organization Executive Board Positions

Current: Council of Student Sustainability Leaders, **Climate Group Leader**; Harvard Chan Student Association, **Vice President of Communication**; Sustainability and Health Forum, **Treasurer**;

Past: Student's for Clean Energy (SfCE): **President**; Central Student Government (CSG) Sustainability Commission:

Head Chair; University of Michigan Student Sustainability Initiative Board: **Administrative Coordinator**; SfCE:

Outreach Director; Call to Action: Co-founder; CSG Sustainability Commission Treasurer; CSG

Sustainability Commission Internal Affairs Coordinator.

Academic Programs and Scholarly Research Experiences:

Program in the Environment Honors Program Member (2016-17)

- Worked on conducting individual research and wrote a proposal

Future Public Health Leaders Program at the University of Michigan (Summer 2015)

- Worked with and learned about the skills necessary to become a public health profession from public health staff from the University of Michigan

Community Health Needs Assessment (Summer 2015)

- Worked with the Washtenaw County Health Initiative to assess the health needs of the county. Interviewed a worker at the WCPH Refugee Health Center. Worked with analyzing the group's finding and writing the analysis section in our research paper.

Work Experience

Center for Sustainable Energy, Clean Vehicle and Business Development Intern, Winter 2018-Present

- Assist applicants to the Massachusetts Offers Rebates for Electric Vehicles (MOR-EV) and the Connecticut Hydrogen and Electric Automobile Purchase Rebate (CHEAPR) programs
- Work with team members in completing rebate processing, and tracking progress
- Research key engagement strategies on informing stakeholders about the electric vehicle industry
- Assist in the coordination and participate in outreach consumer events
- Researching opportunities for business development and expansion

Harvard T.H. Chan School of Public Health Environmental Health Department, Take Home Study Research Assistant, Winter 2018-Present

- Assist in the Take Home Study, looking at occupational exposures brought home from various workplaces
- Conduct home visits, during which the worker is interviewed
- Collect dust samples from the home and fill out observation checklist

Harvard T.H. Chan School of Public Health Environmental Health Department, Inorganic Chemistry Lab Research Assistant, Summer 2017-Present

- Assist faculty and staff on a variety of projects related to the health effects of air pollution
- Assisted in conducted measurements in indoor air and asthma
- Conducting reflectance tests on outdoor black carbon on filters
- Additionally, conduct measurements on air filters and gravimetric weighing

XL Hybrids, Massachusetts Clean Energy Center Clean Energy Intern, Fall 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 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 non-technical groups as needed.

United States Environmental Protection Agency (EPA), SmartWay Transport Intern, Summer 2016-Summer 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, Earth and Environmental Science Research Assistant, Summer-Fall 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 is in the process of being published
- The case study has been used in Environment 380: Mineral Resources, Economics, and the Environment, as a learning tool and it will be utilized in other UM 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
Fall 2016/Spring 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 coordinate sustainability events and initiatives

United States Environmental Protection Agency (EPA), SmartWay Transport Intern, Summer 2015

- Created and developed a training program for dealers to market EPA SmartWay Designated tractors and trailers to customers. The training program is currently being 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 can be 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, Winter-Spring 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 believed that communication between staff and patients should be improved.
- Improving both check in time and communication between staff and patients would improve patient satisfaction.

Additional College Activities/Volunteer Experience

Organized the Citizens Climate Rally 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 Climate March over 850 people across Ann Arbor. Implemented a Sustainable Laundry Practices Program around the campus found at <http://sustainability.umich.edu/environ211/sustainablelaundry-practices>. Organized the CSG Earth Day across University of Michigan campus for the past three years (Michigan Daily newspaper interview and article: <https://www.michigandaily.com/news/earth-day-diag>). Organized SfCE West Virginia 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: US 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-under-trump-administration>).

Organized Call to Action letter writing and phone banking to senators events. 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 (<https://www.youtube.com/watch?v=EahiGD9pI-o>). In the Michigan Daily newspaper about University of Michigan sustainability efforts: <https://www.michigandaily.com/section/research/sustainability-efforts-progressing-universityannual-survey-shows>. Students For Clean Energy member, CSG Sustainability Commission member, Call to Action member, Student Sustainability Initiative Board member, and 100% Renewables by '50 member. Volunteered and organized Green Career Fair (for environmental jobs), Timmy Global Health "Pie in the Face" Fundraiser volunteer, and "Glow Run" volunteer. Past Club Ultimate Frisbee member.

Skills

Computer: SPSS statistical software, R statistical software, MS PowerPoint, MS Word, MS Publisher, MS Excel, Adobe Premiere, Adobe Photoshop, Windows Movie Maker, Camtasia Studio. **Language:** Proficient in Latin