

D. Wanja Waweru

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EDUCATION

University of Michigan, SEAS, Ann Arbor, Michigan
Master of Science in Environment & Sustainability

Anticipated Graduation May 2022

Columbia University, School of Engineering and Applied Science, New York, NY
Bachelor of Science in Earth and Environmental Engineering

May 2020

HONORS

Indiana INTERNnet IMPACT Award, *Intern of the Year Nominee*

December 2017

UNCF Fund II Foundation Scholar

May 2016

- Scholarship focused on providing African-American with resources for success in STEM careers

Ron Brown Captain

April 2016

- Selective program that advances higher education for community-minded and intellectually gifted African Americans providing mentorships and additional career-oriented guidance

CAREER FOCUSED EXPERIENCE

enFocus, South Bend, IN

May 2020-July 2020

Innovation Intern

- Assisted local library system in drafting strategic long-range plan by conducting best practices research on long-range planning and library services and programming
- Conducted health study with local fire department to improve safety practices and limit exposure
- Lead focus groups with firefighters and department chiefs on departmental on-the-job health practices

Urban Water Innovation Network, Brooklyn, NY

May 2019-August 2019

Undergraduate Student Researcher

- Conducted infiltration rate tests to assess sources of variability in bioswale performance in the field as well as in a controlled lab setting
- Determined the precision of infiltration measurement tools citizen scientists use to monitor bioswales in 4 US and 2 Canadian cities

Bowman Creek Educational Ecosystem, South Bend, IN

June 2018-August 2018

Urban Sustainability Intern

- Evaluated city-owned vacant lot properties to determine the location of 3 native tree nurseries in South Bend using city GIS database
- Drafted a Master Plan for the City of South Bend to increase the street tree population by 13% in 50 years
- Co-managed series of 50 intern and mentor social media spotlights over the course of the program

Bowman Creek Educational Ecosystem, South Bend, IN

May 2017-August 2017

Stormwater Management Intern

- Constructed three simulated rain gardens and conducted in-lab water infiltration tests
- Analyzed data to identify the balance between water storage and percolation in rain gardens of different soil composition
- Created preliminary designs for a simple model to notify residents of potential basement flooding and backups during heavy rain events

SKILLS

- **Technical:** ArcMap 10.6 (Intermediate), QGIS 3.4 (Intermediate), R (Novice), Python (Novice)