

# roshan krishnan

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## EDUCATION

### **Master of Science: Environment and Sustainability, Expected May 2021**

Concentrations in Environmental Justice and Environmental Informatics

### **Graduate Certificate: Science, Technology and Public Policy, Expected May 2021**

University of Michigan, Ann Arbor, MI

Current G.P.A.: 4.0

### **Bachelor of Science: Double Major in Music Engineering and Computer Science, May 2016**

University of Miami, Coral Gables, FL

Cumulative G.P.A.: 3.89

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## SKILLS

Microsoft Office • R • ArcGIS • QGIS • JavaScript • HTML5/CSS3 • Python • Swift • C • MATLAB • Git

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## RELEVANT COURSES

Political Ecology • Science & Technology Policy Analysis • GIS • Intro to Geovisualization  
• Advanced Geovisualization • Statistics • Ecology • The Science of Social Change • Data Mining

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## EXPERIENCE

### **Graduate Student Instructor, University of Michigan, Ann Arbor, MI**

*HONORS 230: Violent Environments, Dr. Omolade Adunbi, January 2020 – Present*

- Lead discussion sections and hold office hours to help students understand course concepts
- Grade student assignments and papers

### **Graham Sustainability Institute, University of Michigan, Ann Arbor, MI**

*Environmental Justice Research Assistant, October 2019 – Present*

- Conduct research for the President's Commission on Carbon Neutrality to determine environmental justice implications of transitioning the University of Michigan's campus to 100% carbon neutrality
- Review literature on the history of environmental justice and assist in compiling definitions and determining standards of environmental justice for the PCCN to follow
- Conduct interviews with university faculty and local environmental justice leaders to inform the PCCN's environmental justice standards

### **Bose Corporation, Framingham/Brighton, MA**

*Mobile Software Engineer, June 2016 – December 2019*

- Worked within a team to architect and implement features in the Bose Music mobile application
- Resolved defects and optimize existing features in the Bose mobile codebase
- Presented and participate in internal conferences and educational sessions

### **National Climate and Environmental Justice Working Group, Democratic Socialists of America**

*Steering Committee Member, February 2018 – February 2019*

- Served as elected member of 10-person committee overseeing national environmental justice activities within the organization
- Created educational materials about basic environmental justice concepts for DSA members and the general public
- Organized calls to keep members informed of local and national campaigns and events
- Helped run the @DSA\_Enviro Twitter account to highlight local and national campaigns, raise awareness of environmental justice issues, and build a following of over 15,000 people

**Climate and Environmental Justice Working Group, Boston Democratic Socialists of America**

*Founding Member, February 2017 – August 2019*

- Organized the local group and facilitated recruitment and mobilization of new members interested in environmental justice issues
- Helped organize monthly meetings as well as internal and external educational events, flyer sessions, and canvasses

**FORE Center, University of Miami, Coral Gables, FL**

*Student Research Assistant, Dr. Chris Bennett, September 2013 – May 2014*

- Assisted in interdisciplinary research in audio and biomedical engineering
- Helped code an iOS application for use by physicians treating recovering amputees

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**PRESENTATION** • “Materiality, Spatiality, Temporality: Lithium Mining and Environmental Violence,” Dimensions of Political Ecology Conference, February 2020

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**AWARDS/  
HONORS**

- University of Michigan School for Environment and Sustainability Academic Merit Fellowship (Fall 2019)
- University of Michigan School for Environment and Sustainability Dean’s Fellowship (Winter 2020, Winter 2021)

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**ACTIVITIES**

- Member, Minorities in Agriculture, Natural Resources, and Related Sciences (MANRRS)
- Member, University of Michigan Graduate Employees Organization