**Eimy X. Bonilla**

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EDUCATION

**Harvard University,** Cambridge, MA

Ph. D. Candidate in Environmental Science and Engineering | Ph. D. expected May 2022

Harvard Graduate Fellowship

Honorable mentions: Ford Fellowship and NSF Graduate Research Fellowship

**Engineer-in-Training certificate,** January 2016

**Tufts University,** Medford, MA

Bachelor of Science in Environmental Engineering, cum laude | May 2015

Earle F. Littleton Award, John A. Cataldo Scholar, Tufts Summer Scholar, Altman Family Term Scholar

Senior Thesis: “Comparison of contaminant partitioning short-chain fatty acids versus lactate as electron donor sources to support dechlorinating bacteria,” high honors

EXPERIENCE

**Harvard University** | Cambridge, MA **|**

*Research Assistant |* John A. Paulson School of Engineering and Applied Sciences

**American Geophysical Union** | Remote |

*Community Science Fellow* | Thriving Earth Exchange

**Geosyntec Consultants** | Acton, MA |

*Environmental Engineer Technician* |

**Tufts University**| Medford, MA |

*Senior Honors Thesis* |Environmental Sustainability Lab |

*Research Assistant* |Integrated Multiphase Environmental Systems Lab |

2017-Present

2021 – Present

2015 - 2017

2014-2015

2013

PUBLICATIONS & PRESENTATIONS

Marlier, M.E., **Bonilla, E.X**. and Mickley, L.J., 2020. How do Brazilian fires affect air pollution and public health? *GeoHealth*, *4*(12), p.e2020GH000331.

**Bonilla, E. X**.; Mickley, L.J.; Beaudon, E.G.; Thompson, L.; Schmitt, C. (2020). Quantifying the role of biomass burning in black carbon deposition on Andean glaciers. Fall 2020 American Geophysical Union meeting, virtual.

**Bonilla, E. X.** (2018). Fires in the Amazon Basin and their environmental impacts across South America. Year-2 Environmental Sciences and Engineering Department Presentation, Harvard University School of Engineering and Applied Sciences.

**Bonilla, E. X.**, (2015). Comparison of contaminant partitioning short-chain fatty acids versus lactate as electron donor sources to support dechlorinating bacteria. Poster Presentation and Undergraduate Thesis at Tufts University School of Engineering, Civil and Environmental Engineering Department.

**Bonilla, E. X.**, Capiro, N., (2014). Examining the use of partitioning electron donors for bioremediation of chlorinated solvents. Poster Presentation at Tufts Summer Scholars Research Symposium

TEACHING & OTHER RELEVANT EXPERIENCE

**Harvard University** | Cambridge, MA |

*Resident Tutor |* Harvard College Quincy House |

*Teaching Fellow for Intro. to Environmental Science & Engineering |*

2019 - Present

2019

**Somerville Public Schools** | Somerville, MA |

*Substitute Teacher, Interpreter |*

OUTREACH

**Harvard University** | Cambridge, MA |

*Co-organizer,* Diversity, Inclusion, and Belonging subgroup, Atmospheric Chemistry Journal Club for Atmospheric Chemistry Modeling Group

*Member of* Graduate Student Recruitment & Retention Subgroup of the Committee on Diversity, Inclusion, and Belonging in Department of Earth and Planetary Sciences/ Environmental Sciences and Engineering

*Outreach volunteer for* School of Engineering and Applied Sciences at Society for Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS) Conference

*President,* GSAS Society of Underrepresented Students in STEM

*Member of* School of Engineering and Applied Sciences Graduate Council

**Tufts University** | Medford, MA |

*Member* *of* Program Review Board of Bachelor of Science in Environmental Engineering

*Member* *of*  Society of Latino Engineers and Scientists, Association of Latin American Students

2011 - 2015

2017-Present

2020 - Present

2018 - 2020

2017 - 2019

2017 - 2019

2013 - 2015

2012 - 2015