

Dr. Karim Lakhani

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Education

PhD in Earth and Atmospheric Science (EAS)

Georgia Institute of Technology (Georgia Tech)

August 2018 – July 2023

Advisor: Jean Lynch-Stieglitz

Bachelor of Science in Chemical Engineering

California Institute of Technology (Caltech)

September 2014 - June 2018

Specialized in Environmental Science and Engineering

Work Experience

Technical Solutions Engineer, Epic Systems

September 2023 - Present

- Resolved 10+ technical problems for an installing customer while on-site
- Documented troubleshooting and problem resolution in **customer-facing** ticketing software
- Developed custom code to search internal settings and compile relevant troubleshooting information

Publications

K.Q. Lakhani, J. Lynch-Stieglitz, B. Findley, Reconstructing Upper Ocean Structure using Multiple Planktonic Foraminifera Species, *Paleoceanography and Paleoclimatology*, (submitted)

K.Q. Lakhani, J. Lynch-Stieglitz, M.M. Monteagudo, Constraining Calcification Habitat using Oxygen Isotope Measurements in Tropical Planktonic Foraminiferal tests from Surface Sediments, *Marine Micropaleontology*, 170, 102074, doi.org/10.1016/j.marmicro.2021.102074, 2022

Volunteer Experience

Community Consulting Team Project

January 2019 – May 2019, January 2020 – June 2020

- Assisted the non-profit organization “Keep North Fulton Beautiful” in reevaluating their business model and diversifying funding sources for 2019 project
- Assisted the non-profit organization “Community Farmers Market” in developing a transition plan for how they organize their data on customers, vendors, and donors for 2020 project

Treasurer, Graduates in Earth and Atmospheric Science

March 2020 – August 2021

- Coordinated organization funding and managed spending for events

Student Recruitment Chair, Graduates in Earth and Atmospheric Science

January 2019 – March 2020

- Coordinated the Prospective Students weekend for the department and provide input to the graduate student organization in the department

Research Experience

Graduate Research/Teaching Assistant

Advisor: Jean Lynch-Stieglitz, Georgia Tech (2018-current)

Topic: Investigating Ocean-Atmosphere Interactions with Planktonic Foraminifera in the Tropical Pacific during the Last Glacial Maximum (LGM)

Summer Undergraduate Research Fellow (SURF)

Advisor: Tapio Schneider, Caltech (2017)

Mitchio Okumura, Caltech (2016)

Geoffrey Smith, University of Georgia (2015)

Teaching Experience

Grader for EAS 4300: Oceanography, Spring 2022

Georgia Tech

Grader for EAS 6500: Climate and Global Change, Fall 2021, 2022

Georgia Tech

Teaching Assistant for EAS 4350/6136: Paleoclimatology and Paleoceanography, Spring 2021

Georgia Tech

- Assisted professor of record in creating data analysis projects suitable for reinforcing course objectives
- Guided students on understanding climate data and performing analyses

Teaching Assistant for EAS 1601: How to Build a Habitable Planet, Spring 2019, Fall 2019, Fall 2020

Georgia Tech

- Taught 2 sections of ~20 students in a laboratory setting
- Proctored and graded exams and labs for the class

Teaching Assistant for SA 16: Cooking Basics, Winter 2018 - Spring 2018

Caltech

- Taught groups of 6-12 students how to cook and helped cook a set of recipes every week
- Designed a set of recipes for an Indian cuisine menu
- Led a group as head chef in creating a five-course meal

Invited Seminars

WHOI/MIT Paleoclimate Seminar

November 2022

Conference Presentations

K.Q. Lakhani, J. Lynch-Stieglitz, E. di Lorenzo, M.M. Monteagudo, B. Findley, G. Kim, Upper Ocean Conditions in the Tropical Pacific from Oxygen Isotopes in Planktonic Foraminifera, 14th International Conference on Paleoclimate (2022)

K.Q. Lakhani, J. Lynch-Stieglitz, M.M. Monteagudo, Constraining Tropical Thermocline Structure using Oxygen Isotope Measurements in Planktonic Foraminiferal Tests from Multiple Species, American Geophysical Union Fall Meeting Poster Presentation (2021)

K.Q. Lakhani, J. Lynch-Stieglitz, E. Di Lorenzo, M.M. Monteagudo, Planktonic Foraminifera, Upper Ocean Density, and Surface Winds, Comer Climate Conference Poster Presentation (2020)

K.Q. Lakhani, J. Lynch-Stieglitz, M.M. Monteagudo, Global Spatial Trends in the Apparent Calcification Depth for Planktonic Foraminifera from the Late Holocene

- American Geophysical Union Fall Meeting Poster Presentation (2019)
- Comer Climate Conference Oral Presentation (2019)
- Georgia Tech EAS Graduate Student Symposium Oral Presentation (2019)

Accolades

Herbert P. Haley Fellowship, Georgia Tech, 2022-2023

Research Excellence award, Georgia Tech EAS Department, 2022

Outreach

Volunteer judge, **Undergraduate Research Symposium, Georgia Tech (2019)**

Volunteer presenter, **Haunted Lab Tours, Georgia Tech EAS Department (2018)**

Session Convener, **Graduate Student Symposium, Georgia Tech EAS Department (2018)**