

Dr. Karim Lakhani

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Work Experience

Technical Solutions Engineer, Epic Systems

September 2023 - Present

- Supported many (20+) customers in their installation and maintenance of Epic healthcare software
- Improved automated hospital account coding by 40% for a hospital network
- Developed technical training sessions for Epic reporting suite best practices aimed at technical staff and hospital executives (60+ attendees over 3 sessions)
- Completed internal development projects on reporting for hospital billing
- Collaborated with developers and hospital IT stakeholders to translate business requirements into technical designs and implementation plans

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

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

Publications

K.Q. Lakhani, J. Lynch-Stieglitz, B. Findley, Reconstructing the Tropical Thermocline from Oxygen-Isotopes in Planktonic and Benthic Foraminifera, *Paleoceanography and Paleoclimatology*, (accepted)

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

Technical Knowledge

Python, SQL, Matlab, R, Git, Tableau, M

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)