

# Chima Adiole

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MS Student, Computer Science, Rice University

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## EDUCATION

**Rice University**, M.S. Computer Science

2023 - present

Adviser: Chris Jermaine

**Rice University**, B.A. Computer Science

2019 - 2023

*Distinction in Research and Creative Works*

## PUBLICATIONS

*Race and ethnic minority, local pollution, and COVID-19 deaths in Texas.*

Xu, A., Loch-Temzelides, T., **Adiole, C.** et al. Sci Rep 12, 1002 (2022).

## WORK IN PROGRESS

*Tuning Models of Code with Compiler-Generated Reinforcement Learning Feedback.*

Jain, A., **Adiole, C.**, Chaudhuri, S., Reps, T., Jermaine, C. (2023)

*Flood Prediction with Convolutional LSTM Network.*

**Adiole, C.**, Braddock, G., Silva A. IFCE-Rice-SENAI Program on AI for Sustainability and Resilience to Natural Disasters (2023).

## OTHER PUBLICATIONS

*Adaptation to Climate Change and Japan's Role on a Global Scale.*

Endo, R., Adachi, J., Ohashi, K., Murasaki, H., **Adiole, C.**, et al. Japan Center for Sustainable Environment and Society (2019).

## POSTER PRESENTATIONS

Jain, A., **Adiole, C.**, Chaudhuri, S., Jermaine, C., *Fine-tuning Models of Code with Compiler Feedback.* Rice Undergraduate Research Symposium (2023).

**Adiole, C.**, Jiang, C. and Jermaine, C., *Phylogenetic Inference with Neural Networks.* Google-Rice Data Science REU Poster Session (2021).

## HONORS & AWARDS

**MS Research Fellowship**, Rice Computer Science Department

2023

**Research Excellence Award**, Rice Engineering Alumni Association

2023

**CS Research Mentorship Program Scholar**, Google

2023

**Rice Undergraduate Scholars Program**, Rice Office of Undergraduate Research and Inquiry 2022

<b>Grace Hopper Celebration of Women in Computing Scholarship</b> , AnitaB.org	2021
<b>Data Science Summer Research Fellowship</b> , Rice CS in collaboration with Google	2021

## SERVICE & LEADERSHIP

<b>Mentor</b> , Baker College Society of Academic Mentors and Fellows	2022 - 2023
<b>Student Member</b> , Rice Computer Science Lecturer Search Committee	2022 - 2023
<b>Social Media Chair</b> , National Society of Black Engineers (Rice NSBE)	2021
<b>Secretary</b> , National Society of Black Engineers (Rice NSBE)	2020 - 2021

## TEACHING EXPERIENCE

<b>Teaching Assistant for COMP 412: Compiler Design</b> Rice University Computer Science Department, Houston, TX	Fall 2023
<b>Teaching Assistant for COMP 215: Program Design</b> Rice University Computer Science Department, Houston, TX	Fall 2022
<b>Teaching Assistant for COMP 182: Algorithms</b> Rice Computer Science Department, Houston, TX	Spring 2022
<b>Language Consultant for Japanese</b> Rice Center for Languages and Intercultural Communication, Houston, TX	2020 – 2023

## INDUSTRY EXPERIENCE

<b>Data Engineer Intern</b> Meta, Seattle, WA	Summer 2022
<b>Research Intern</b> Japan Center for Sustainable Environment and Society (JACSES), Tokyo, JPN	2018 – 2019

## RELEVANT COURSEWORK

Machine Learning, Tools and Models for Data Science, Advanced Logic in Computer Science, Algorithms, Program Design, Computational Thinking, Probability and Statistics, Linear Algebra, Data Visualization, Ethics in Data Science, International Relations, Introduction to Sociology, Introduction to Economics, Introduction to Psychology

## SKILLS

Programming Languages: Python, R, Java, C, SQL  
 Frameworks and Tools: Git, pandas, Jupyter Notebook, RStudio, TensorFlow, PyTorch  
 Languages: English (Fluent), Japanese (Fluent)