

Chima Adiole

PhD Student, Computer Science, Rice University
✉ ca31@rice.edu 🌐 [chima-adiole.github.io](https://github.com/chima-adiole)

EDUCATION

Rice University, Ph.D. in Computer Science 2025 - present
Adviser: Christopher Jermaine

Rice University, M.S. in Computer Science 2023 - 2024
Adviser: Christopher Jermaine
Thesis: *Reward Design with Program Graphs for Reinforcement Learning Guided Training of Large Language Models for Program Synthesis*

Rice University, B.A. in Computer Science 2019 - 2023
Distinction in Research and Creative Works

PUBLICATIONS

Coarse-Tuning Models of Code with Coordinated Reinforcement Learning Feedback.
Jain, A., **Adiole, C.**, Chaudhuri, S., Reps, T., Jermaine, C. (2023)

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).

OTHER WORKS AND PUBLICATIONS

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).

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

SERVICE & LEADERSHIP

Committee Member, Rice Graduate Student Association - Sustainability Committee 2023 - 2024
Mentor, Baker College Society of Academic Mentors and Fellows 2022 - 2023
Student Member, Rice Computer Science Lecturer Search Committee 2022 - 2023
Social Media Chair, National Society of Black Engineers (Rice NSBE) 2021
Secretary, National Society of Black Engineers (Rice NSBE) 2020 - 2021

TEACHING EXPERIENCE

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

INDUSTRY EXPERIENCE

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

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)