Christian Ikeokwu

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christianikeokwu.com

INTERESTS algorithmic game theory, graph theory, algorithms, inequality, mechanism design, and learning theory

EDUCATION

University of California, Berkeley Berkeley, CA
Ph.D., Electrical Engineering and Computer Science Since 2021
Advisors: Prof. Christian Borgs and Prof. Jennifer Chayes

Oberlin College and Conservatory Oberlin, OH
B.A. Mathematics and Computer Science (Highest Honors) May 2021

PUBLICATIONS

Rediet Abebe, Adam Eck, Christian Ikeokwu, and Samuel Taggart. "An Algorithmic Introduction to Savings Circles". In *Proceedings of the 36th AAAI Conference on Artificial Intelligence (AAAI)*, 2022

AWARDS,
FELLOWSHIPS
AND GRANTS

AI Policy Hub Fellowship, Center for Long-Term Cybersecurity (CTLC)	2023
Facebook AI Research-BAIR Commons Fellowship, Berkeley AI Lab (BAIR)	2023
Rising Stars in Management Science and Engineering, Dept. of MS&E. *Stanford University*	2023
H2H8 Graduate Research Grant, Hearts to Humanity Eternal (H2H8)	2022
2021 R.J. Thomas Award for an Outstanding Computer Science Student, Oberlin CS Dept	2021
BAIR Research Ignition Award, Berkeley Artificial Intelligence Lab	2021
EECS Excellence Award, UC Berkeley	2021
EECS Departmental Fellowship, UC Berkeley	2021

INVITED TALKS

Disincentivizing Polarization in Social Networks

• Rising Stars in MS&E Workshop. *Stanford, CA*	May 2023
• H2H8 Advancing Humanity through Science Research. *Berkeley, CA*	April 2023

AI, Social Justice and Africa

• Center for African Studies Transformative Leadership Seminar. *Berkeley, CA*	March 2022

An Algorithmic Introduction to Savings Circles

• 7th Marketplace Innovations Workshop (MIW)	May 2022
• 4th Games, Agents, and Incentives Workshop (GAIW), *AAMAS22*	May 2022
• University of Cambridge Ethics in Maths Society (CUEiMS), *Cambridge, UK*	March 2022
• Berkeley Equity & Access in Algorithms, Mechanisms & Optimization (BEAAMO)	January 2022
• University of Chicago Mathematics REU, *Chicago, IL*	July 2021

EXPERIENCE

Graduate Researcher, UC Berkeley	Since 2021
• Graph Theory + AI w/ Prof. Christian Borgs and Prof. Jennifer Chayes	Berkeley, CA
Research Assistant, Oberlin College	2018-2021
• Algorithmic Game Theory w/ Prof. Sam Taggart	Oberlin, OH
Quantitative Research Summer Analyst, Morgan Stanley	2019

	• Agency MBS Fixed Income Strats	New York, NY
Software Engineering Intern, Two Sigma		2018
	• FRM Engineering: Cash and Collateral Management	Houston, TX

TEACHING   Oberlin College Teaching Assistant

- Theory of Computation (CSCI 383): Sp'21 O/G
- Algorithms (CSCI 280): Sp'20 G, F'20 O/G
- Data Structures (CSCI 151): F'18 O, F'20 O, Sp'21 O/T
- Introduction to Computer Science (CSCI 150): Sp'18 G, F'18 O, F'20 O, Sp'21 O

- Foundations of Analysis (MATH 301): F'20 T
- Linear Algebra (MATH 232): F'20 T, Sp'21 G
- Multivariable Calculus (MATH 231): Sp'21 O

- Intermediate Macroeconomics (ECON 251): F'19 T
- Data Visualization (STAT 209): F'19 G

- Responsibilities: Grader (G), Office Hours (O), 1-1 Tutor (T)

SERVICE &

ACTIVITIES

Visiting Graduate Student. *Simons Institute Program on Graph Limits & Network Processes*	Fall 2022
Orientation Trainer. *Berkeley Graduate TA Union (UAW 2865)*	Fall 2022
Co-Lead. *H2H8 Association AI and Deep Learning Interest Group*	2022-2023
Co-Organizer. *Matrix Analysis and Spectral Graph Theory Reading Group*	Summer 2022
Webmaster. *Berkeley CS Theory Group*	Since 2022
REU Mentor. *Black Graduate Engineering and Science Students (BGESS)*	Summer 2022
Member-at-large. MD4SG *Inequality Working Group*	Since 2021

Reviewing and Committees

• Reveiwer - Games, Agents and Incentives Workshop (GAIW)	2023

SKILLS   Python, LaTeX, R, C++, Java, Mathematica, Bash

REFERENCES   Available upon request