Ikechukwu "Ike" Uchendu

LinkedIn • GitHub • Email • Website

RESEARCH INTERESTS

My main research interest is in figuring out how we can make reinforcement learning agents acquire new skills as fast as possible.

EDUCATION

PhD: Harvard University — Expected: May 2027
Computer Science

MS: Michigan State University — August 2018 – May 2020
Computer Science & Engineering

BS: Michigan State University — August 2014 – August 2018
Computer Science & Engineering

RESEARCH EXPERIENCE

Edge Computing Lab — August 2022 – Present
Research Assistant
Advisor: Prof. Vijay Janapa Reddi

Google Brain — October 2020 – May 2022
AI Resident – Robotic Manipulation
Advisors: Ted Xiao, Prof. Karol Hausman

Intelligent Data Analytics (ILLIDAN) Lab — December 2017 – January 2020
Graduate Research Assistant
Advisor: Prof. Jiayu Zhou

ENGINEERING EXPERIENCE

Google – Mountain View, CA — May 2019 – August 2019
Software Engineering Intern

Microsoft – Redmond, WA — May 2018 – August 2018
Software Engineering Intern

LinkedIn – Mountain View, CA — May 2017 – August 2017
Software Engineering Intern

Humana – Louisville, KY — May 2016 – December 2016
Mobile Applications Engineer Intern

MSU IT Services – East Lansing, MI — November 2015 – May 2016
Backend Web Development Intern

Consumers Energy – Jackson, MI — May 2015 – August 2015
Software Development Intern

JOURNAL PUBLICATIONS

- F. Tang, **I. Uchendu**, F. Wang, H. H. Dodge, J. Zhou (2020) Scalable diagnostic screening of mild cognitive impairment using AI dialogue agent. - Sci Rep 10, 5732 (2020)

PEER-REVIEWED CONFERENCE PUBLICATIONS

- **Uchendu, I.**, Xiao, T., Lu, Y., Zhu, B., Yan, M., Simon, J., Bennice, M., Fu, C., Ma, C., Jiao, J. and Levine, S., 2022. Jump-Start Reinforcement Learning - *under review 2022*

INVITED TALKS

- "Jump-Start Reinforcement Learning", ICRA 2022 Scaling Robot Learning Workshop
- "Demonstration-Guided Q-Learning", NeurIPS 2021 Robot Learning Workshop

PROFESSIONAL ACTIVITIES

Reviewer:

NeurIPS 2022, NeurIPS2022 Deep Reinforcement Learning Workshop

Program Committee Member:

NeurIPS 2022 Deep Reinforcement Learning Workshop

PROJECTS

Reinforcement Learning Library

- Created custom implementations of DQN, REINFORCE, A2C, and A3C in TensorFlow

TEACHING

Michigan State University August 2018 – May 2020

Graduate Teaching Assistant

- CSE 101: Computing Concepts/Competencies
- CSE 335: Object Oriented Software Design
- CSE 477: Web App Architecture & Development

Michigan State University August 2017 – May 2018

Undergraduate Learning Assistant

- CSE 331: Algorithms and Data Structures