# Tsedeniya Amare
Curriculum Vitae
October 2024

University of Michigan-Ann Arbor, Ann Arbor, USA          Email:tamare@umich.edu

## EDUCATION

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**PhD in Computer Science & Engineering**                    08/2022 - Present
University of Michigan, Ann Arbor,  Michigan
Advisor: Dr. Nikola Banovic

**Bachelor of Software Engineering**                         09/2016  - 10/2021
Department of Software Engineering
Addis Ababa University, Addis Ababa, Ethiopia

## AWARDS AND RECOGNITIONS

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| **Diversity, Equity, and Inclusion Service Award** | 2024 |
| **CSCW 2023 Emerging Scholar** | 2023 |
| **AfriCHI'23 Doctoral Consortium Participant** | 2023 |
| **Rackham Conference Travel Grant ($1400)** | AfriCHI'23 |
| **CRA-W Grad Cohort Scholarship Recipient** | 2023 |

## PUBLICATIONS

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Tsedeniya Amare, and Nikola Banovic. 2024. Contesting Artificial Intelligence (AI): Assessing End-user Ability to Contest Untrustworthy AI and Seek Algorithmic Recourse. In submission to CSCW 2025.

Sumit Asthana, Tsedeniya Amare, Bruktawit Amare, and Nikola Banovic. 2022. Understanding and Modeling the Effects of Social Behaviors on Virus Transmission to Fight Global Pandemic. Manuscript in preparation.

Tsedeniya Amare, Sumit Asthana, Bruktawit Amare, and Nikola Banovic. 2020. Understanding and Modeling the Effects of Social Behaviors on Virus Transmission to Fight Global Pandemic. Presented at the 2020 African Undergraduate Research Adventure(AURA).

## PROFESSIONAL EXPERIENCE

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**Graduate Student Instructor**                              08/2024 - present
Introduction to Artificial Intelligence Computer Science and Engineering,
University of Michigan, Ann Arbor, USA

**Graduate Student Research Assistant**        05/2023 - 08/2024
Computational HCI Lab, Computer Science and Engineering,
University of Michigan Advisor: Dr. Nikola Banovic

**Research Assistant**        01/2022 - 08/2022
University of Michigan, Ann Arbor, USA

**Teacher**        07/2021 - 01/2022
iCog anyone can code, Addis Ababa, Ethiopia

**Visiting Undergraduate Research Assistant**        06/2020 - 10/2020
University of Michigan, Ann Arbor, USA

**Teacher**        07/2019 - 9/2019
Albert Institute, Addis Ababa, Ethiopia

## TEACHING

**Introduction to Artificial Intelligence**        Fall 2024
University of Michigan, Ann Arbor, USA

**Web Development**        Summer 2020
iCog anyone can code, Addis Ababa, Ethiopia

**Basic  Computer Skill**        Summer 2019
Albert Institute, Addis Ababa, Ethiopia

## LEADERSHIP AND SERVICE

**Co-founder and Chair, VoiCSEs, University of Michigan**        09/2023 - present
University of Michigan, Ann Arbor, MI

**Chair, ECSEL+, University of Michigan**        09/2022 - 09/2023
The University of Michigan, Ann Arbor, MI

**Primary Instructor, Discover Engineering**        Summer 2023
University of Michigan, Ann Arbor, MI

**Primary Instructor, Xplore Engineering**        Summer 2022
University of Michigan, Ann Arbor, MI

**Research Presenter, CS KickStart**        Summer 2022
University of Michigan, Ann Arbor, MI

## SKILLS

**Software:** Python, SQL, HTML/CSS, Web framework(Nodejs, Django)
**Tools and Libraries:** NumPy, Pandas, Scikit-learn, Matplotlib, Pytorch
**Subject Areas:** Human-AI Interaction, Human-Computer Interaction (HCI), Natural language processing(NLP), Machine Learning