

# Tsedeniya Amare

Curriculum Vitae

December 2024

---

University of Michigan, Ann Arbor  
2260 Hayward Street, Ann Arbor, MI 48109

Email: [tamare@umich.edu](mailto:tamare@umich.edu)  
Web: <https://tsedeniya.github.io/>

## EDUCATION

---

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

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

## PUBLICATIONS

---

### Extended Abstracts

**Tsedeniya Amare.** 2023. The role of Artificial Intelligence (AI) literacy in cultivating responsible AI development in Africa. In AfriCHI'23 Doctoral Consortium.

### Posters

**Tsedeniya Amare,** and Nikola Banovic. 2024. Contesting Artificial Intelligence (AI): Assessing End-user Ability to Contest Untrustworthy AI and Seek Algorithmic Recourse. Presented at Michigan AI symposium 2024.

**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).

## AWARDS AND FELOWHSIPS

---

Diversity, Equity, and Inclusion Service Award	2024
CSCW 2023 Emerging Scholar	2023
AfriCHI'23 Doctoral Consortium Participant	2023
CRA-W Grad Cohort Scholarship Recipient	2023
CSE Graduate International Merit Fellowship	2022-2023

## TEACHING EXPERIENCE

---

### University of Michigan, Ann Arbor, USA

Graduate Student Instructor, Introduction to Artificial Intelligence Fall '2024  
**iCog anyone can code, Addis Ababa, Ethiopia**

Introduction to Web Development	Summer '2021
Introduction to programming	Summer '2021

Albert Institute, Addis Ababa, Ethiopia

Basic Computer Skill

Summer '2019

## MENTORING EXPERIENCE

---

University of Michigan, Ann Arbor, USA

Ananya Kasi, Undergraduate Student

## RESEARCH EXPERIENCE

---

**Graduate Student Research Assistant**  
University of Michigan, Ann Arbor, USA

05/2023 - Present

**Research Assistant**  
University of Michigan, Ann Arbor, USA

01/2022 - 08/2022

**Visiting Undergraduate Research Assistant**  
University of Michigan, Ann Arbor, USA

05/2020 - 08/2020

## LEADERSHIP AND SERVICE

---

University of Michigan, Ann Arbor, USA

Co-founder and Chair, VoiCSEs, University of Michigan

09/2023 - Present

Chair, ECSEL+, University of Michigan

09/2022 - 09/2023

Primary Instructor, Discover Engineering

Summer 2023

Primary Instructor, Xplore Engineering

Summer 2022

Research Presenter, CS KickStart

Summer 2022

**External Reviewer**

CHI LBW

2024

## RELATED PROFESSIONAL SKILLS

---

**Software:** Python, SQL, HTML/CSS, Web framework(Nodejs, Django)

**Tools and Libraries:** NumPy, Pandas, Scikit-learn, Matplotlib, Pytorch

**Subject Areas and Courses:** Human-AI Interaction, Human-Computer Interaction (HCI), Natural language processing (NLP), Machine Learning, Artificial intelligence(AI), Quantitative and Qualitative research method

## PROFESSIONAL MEMBERSHIPS/AFFILIATIONS

---

Association for Computing Machinery SIGCHI(ACM)