

Kibron Tesfatsion

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WORK EXPERIENCE

Community Advocates for Family and Youth(CAFY)

May 2025 - December 2025

Data Analyst Intern

Landover, MD

- Analyzed 60K+ service and referral records using Python and SQL to uncover disparities in victim support by demographics, services, and ZIP code, guiding resource allocation and funding decisions
- Developed interactive Power BI dashboards and Python visualizations for quarterly board reports and grant proposals, highlighting seasonal trends and high-need areas to justify expanded service funding
- Automated data extraction from Census and API sources using Python scripting, reducing manual collection time by 40%, improving data accuracy, and supporting ongoing ETL pipelines for service mapping
- Python for geospatial analysis and visualization of ZIP code data, precisely mapping high-need, underserved areas to guide strategic interventions
- Conducted sentiment analysis on victim service surveys to uncover emotional trends and response barriers, directly informing strategic improvements to outreach methods and increasing survey completion rates

College of Information

October 2023 -

Research Assistant / Data Analyst

College Park, MD

- Co-designed and facilitated intergenerational AI literacy workshops, helping older adults understand and critically evaluate generative AI tools through hands-on activities and discussion
- Co-led and supervised a team of 5 interns by coordinating tasks, providing feedback on technical projects, and supporting the development of accessible AI education materials and community-facing activities
- Planned and taught weekly classes on emerging technology to 13 elders, documenting their interactions and providing detailed notes to support emerging research

College of Information

October 2023 - May 2024

Front-End Developer

College Park, MD

- Maintained and enhanced University of Maryland research websites using JavaScript, HTML/CSS, and Bootstrap, ensuring reliable access for 100+ monthly visitors
- Designed intuitive, senior-friendly Figma interfaces, improving accessibility and usability
- Collaborated with professors and Ph.D. candidates to create dedicated pages for each researcher

University of Maryland, College Park

August 2023 - May 2025

Teaching Assistant

College Park, MD

- Supported learning for over 400 students about information technologies, the evolution of the information society, and methods for assessing information needs
- Developed quiz and exam questions for over 300 students to assess their understanding of course material
- Produced, recorded, and edited instructional videos for a 300-level course, benefiting over 60 students
- Enhanced student engagement by leading study sessions and assignment support during office hours

EDUCATION

University of Maryland, College Park

May 2025

Bachelor of Science, Information Science

Master of Information Management(Focus: Data Science) - Expected May 2026

SKILLS

- Python (Pandas, NumPy, Scikit-learn), SQL, Apache Spark, Google BigQuery, AWS, RESTful APIs, JSON, ETL Pipelines, Data Modeling, Automation, Shell Scripting, Linux
- Data Cleaning, Predictive Modeling, Geospatial & Sentiment Analysis, Dashboard Development, React, HTML, CSS