Tanaka Chirara

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EDUCATION

Earlham College   August 2024 – May 2028
*Bachelor of Arts | **Major:** Computer Science **Minor:** Economics*   *Richmond, IN*
- **Relevant Courses:** Data Structures & Algorithms, Object-Oriented Programming, Calculus, Micro and Macro

UWC Robert Bosch College   August 2022– May 2024
International Baccalaureate   *Freiburg, Germany*
- **Relevant Courses:** Mathematics (IB/AA), Physics, Geography, Entrepreneurship, Economics, German.

TECHNICAL SKILLS

Languages: Python

Tools and Software: Git, Jupyter Notebook, Postman, Visual Studio Code, Google Cloud

Libraries: NumPy, Scikit-Learn

EXPERIENCE

Earlham College   June – Present
Summer Collaborative Research   *Richmond, IN*
- Optimizing machine learning models for emotion recognition models to improve prediction accuracy by refining training pipeline and algorithms

Earlham College   January – Present
Junior Web Developer   *Richmond, IN*
- Designed, developed, and maintained departmental websites aligned with institutional goals, improving information accessibility.
- Integrated new features and updated content to deliver a user-friendly experience for students and faculty.

Everlasting Technology   April 2023 – March 2025
Operations Intern   *Harare, Zimbabwe*
- Engineered and tested solar-powered Eco Stove prototypes for clean, fuel-free cooking in rural Zimbabwean communities.
- Marketed and pitched prototypes to stakeholders

Jetro Web Development   December 2024 – February 2025
Web Development Intern   *Virtual*
- Developed websites for social justice initiatives using Python and Django.
- Designed and developed web applications

African Science Buskers   August 2023 – August 2024
MIT Beaver BTWI Racecarpython Course Instructor,   *Harare, Zimbabwe*
- Implemented the MIT Beaver Works Summer Institute framework to teach Python programming and robotics.

PROJECTS

Hutano Kuvanhu | *Android Studio, OpenAI API, Google Cloud Platform, Java, Kotlin, Git*
- Developed an Android food nutrition website aiming at helping Zimbabwean children consume a balanced diet by suggesting suitable meals based on location and available resources.

Movie recommender Platform | *Android Studio, OpenAI API, Google Cloud Platform, Java, Kotlin, Git*
- Developed an a web based application that helps users when selecting a movie to watch.

AWARDS & ACHIEVEMENTS

- UWC Go and Make a Difference Award   Aug 2023
- Yale Science and Engineering Award   Feb 2022