Admire Theophilus Madyira

206 5th Ave N, Seattle, WA 98109
(413)-437-6346 | admiretmadyira@gmail.com | LinkedIn | Website

EXPERIENCE

Microsoft Corporation | Redmond, WA **Aug. 2025 - Present**
Software Engineer (MAI)

- Own end-to-end automation and maintenance of the Edge and Copilot compliance pipeline, ensuring the deployment of a secure, regulation-aligned AI-first browser experience for over a billion devices
- Implemented 7 pull request compliance policies, validating ~400 PRs per week for Edge and Copilot
- Automated the detection of the introduction of new features & high-risk telemetry changes, and exposure of new external data sharing endpoints in PRs without proper privacy and security assessments
- Implemented proactive warning systems to alert developers of pending compliance tasks in order to reduce the compliance time of completion by ~5%
- Recognised by senior engineers for dependability and quick execution, and earned end-to-end ownership of the Edge and Copilot Compliance system within 3 months of joining my team

Software Engineer Intern(Generative AI) **May 2024 - Aug. 2024**

- Developed an artificial intelligence-assisted bug fixing and crash analysis tooling using Python and Azure DevOps REST APIs, and Azure MLOps, reducing software engineers' bug triage time by ~50%
- Designed and implemented an AI vulnerability detection model identifying prompt-injection, data-leakage, and jailbreak exploits in Copilot, Gemini, and Llama models with ~90% accuracy

Explorer Intern (Search Optimisation) **May 2023 - Aug. 2023**

- Optimised the search results algorithm for Microsoft Edge omnibox using C++, leading to improved address-bar customisation, contributing to a ~5% increase in user retention and a ~5% rise in DAU.
- Conducted controlled experimentation to ensure a positive impact on Microsoft Bing's revenue, validating a measurable uplift in retention-driven DAU growth.

Columbia University | New York, NY **June 2022 - August 2022**
AI/ML Engineer Intern

- Assisted Prof. Mark Santolucito with research on program synthesis for autonomous systems, focusing on automated controller generation and evaluation using the CARLA simulator
- Implemented and trained reinforcement-learning-based motion-control policies for self-driving vehicles, improving trajectory stability and decision accuracy across varied driving scenarios.

TECHNICAL SKILLS

- Programming languages: C++, Java, Python, JavaScript, Typescript,
- Technologies & Frames: TensorFlow, Scikit-Learn, PyTorch, Azure Foundry, React, NodeJS, Powershell
- Productivity: Git/GitHub, GitHub Copilot, MCP

EDUCATION

Amherst College | Amherst, MA | Bachelor of Arts **May 2025**
Computer Science and Mathematics | GPA: 3.85/4.0
Relevant Courses*: Machine Learning, Artificial Intelligence, Natural Language Processing, Multivariable Calculus, Statistical Modelling, Optimisation, Probability and Computing, Computer Systems, Database Systems, Linear Algebra, Data Structures and Algorithms,*
Certification*: AI & ML Engineering from Microsoft*

AWARDS & RECOGNITION

The Walker Award in Mathematics and Statistics, Amherst College **2025**
Recognising initiative, creativity, perseverance, and achievement in Mathematics and Statistics

The Walker Teaching Award, Amherst College **2023**
Awarded for accomplishment and promise in teaching and tutoring mathematics or statistics

Koenig Scholarship Award **2021-2025**
A merit-based, full scholarship awarded to five newly admitted students from Africa and Latin America, renewed annually for four years at Amherst College

Presidential and National Scholarship, Government of Zimbabwe **2020**
Fully funded award covering tuition, stipend, and travel for high-achieving, underprivileged students for study abroad

Top Scorer, Zimbabwe School Examination Council **2019**
Achieved the highest points score (30/30 points), ranking 1st out of over 50,000 students on the Zimbabwe national A-Level examinations