DIAKHERE GUEYE

UX Researcher and Applied AI
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PROFILE

I use mixed methods research to understand how people work and use technology. I turn that evidence into product, design and strategy decisions, and I build and evaluate AI tools myself.

PROFESSIONAL EXPERIENCE

Visentis GmbH, computer vision AI startup — Zug, Switzerland
AI Product Development Associate — Jan 2026 - Jul 2026

- Showed that players could link a call from Orus, an AI officiating system for padel, to a different shot than the system did. Checked footage, audio and logs from 8 matches against 12 player and coach interviews.
- Specified the fix, an Orus replay that marks the called contact and shows the play before and after it. The founders put it ahead of more dashboards and engineers built it into the review between points.
- Found in tests of Argos, an industrial AI monitoring system, that a normal sensor reading made open incidents look closed, so I required operator confirmation before any incident can close.
- Set who owns each Argos incident and its next action at shift change, after interviewing 8 staff across 2 sites, from operators to supervisors. Secured **client approval for a supervised maintenance pilot**.
- Used AI to tag player and operator feedback in a research library and checked the tags against the original records.

Groupe Afrique Challenge, consulting and executive education firm — Casablanca, Morocco
Associate Consultant, Research and Strategy — Feb 2024 - Dec 2025

- Secured board support at a financial institution to remove duplicate approvals on internal project funding. Median decision time fell from **5 to 3 working days** (40% less) in a 6-week trial and the board kept the change.
- Found that staff knew their own roles but not who decided between teams, so complete requests kept circulating through repeated sign-offs. Surveyed 50+ employees and interviewed 8.
- Interviewed 6 consultants about how they write client reports, watched 3 of them draft, and built an internal LLM tool around what I saw. They found it hard to tell what had been proposed from what had been agreed.
- Cut the median time to prepare, draft and check a report from **45 to 28 minutes** (38% less) in a controlled test where 6 consultants each wrote 2 reports with the tool and 2 without.
- Had 2 senior consultants review all 24 reports blind: 11 of 12 in each group needed no substantive correction.
- After a 6-week pilot the firm kept the tool, and 4 of the 6 consultants used it for at least 3 of their 4 weekly reports.

International Atomic Energy Agency — Vienna, Austria
Machine Learning Intern — Oct 2022 - Jun 2023

- Co-organised the ITU and IAEA Multi-Machine Disruption Prediction Challenge (460+ registrations) and revised its starter examples and validation guidance after watching users misread the targets and data splits.
- Built TensorFlow and XGBoost baselines to predict plasma disruptions, split by experiment to prevent leakage.

EDUCATION

University of Edinburgh, *MSc Cognitive Science with Merit* — 2020 - 2021

- Learn 2.0: turned interviews with 6 students into requirements for the university's learning platform and moderated both test rounds. In the last round, **5 of 6 new students completed all 3 core tasks unaided**.
- Timescale: used 6 interviews, 4 seven-day diaries and prototype trials with 4 participants to move the brief from cutting screen time to helping viewers stop at a point they choose.

École Polytechnique, *BSc Mathematics and Physics* — 2017 - 2020

SKILLS

User research: Mixed methods, interviews, contextual inquiry, field studies, diary studies, usability testing, experimental design, thematic analysis, survey design and analysis, research synthesis, concept testing
Analysis and tools: Python (pandas), SQL, descriptive statistics, log analysis, Figma, Miro
AI: LLM evaluation, prompt engineering, human-AI interaction, RAG, AI agents
Languages: French (native), English (fluent), Spanish (intermediate), Arabic (intermediate)