

JACQUES BUIS

APPLIED AI ENGINEER

RAG, LLM orchestration, evaluation
and data systems

Copenhagen, Denmark jacquesbuis101@gmail.com linkedin.com/in/jacques-buis-2abb85269

// TOP SKILLS Python RAG & hybrid retrieval LLM orchestration System architecture

EXPERIENCE

2022 2023 2024 2025 2026

FOUNDER & AI ENGINEER

Jul 2025 - Present

Buis AI & Data Science Own AI consultancy Copenhagen

AI CONSULTANT

Dec 2025 - Present

Related Client Aarhus

- Built RelCopilot, a Danish/English RAG copilot that answers only from documents each employee may see.
- Fail-closed ACLs inside hybrid BM25 + dense retrieval: **zero permission leaks** in full access-control testing.
- Cross-encoder reranking; answers cite sources or refuse, **95% within 2 s**, on a self-hosted Qwen model.

AI ARCHITECT

Oct 2025 - Present

CustomerSense Client Copenhagen

- AI product development for an e-commerce consultancy; responsible for the AI layer and technical architecture.
- LLM-based system design, open-weight models and model integration; working proof of concept, development ongoing.

AI CONSULTANT

Jul 2025 - Oct 2026

Riskline Client Copenhagen

- Built the prototype for event deduplication and cross-document coreference in a multilingual risk-notification stream.
- Cost-ordered resolution: identity checks, a learned pairwise model, then human review of every proposed merge.
- Evaluated on real notification data; delivered a staged AWS production plan with per-language scoring and load tests.



EXPERIENCE

AI ANALYST

Dec 2024 - Dec 2025

Human Risks Aalborg

- Automation scripts built with Selenium.
- AI-powered scrapers for criminological OSINT.

DATA SCIENTIST

Aug 2023 - Dec 2025

Freelance

- Python data science for academic and research projects.
- Math-driven problem-solving on diverse datasets.

FRONTEND WEB DEVELOPER

Jul 2023 - Dec 2025

Freelance

- Front-end projects focused on UX and design patterns.
- HTML, CSS, JavaScript, key libraries and MySQL.

MATHEMATICS TUTOR

Nov 2021 - Feb 2023

Nyborg Gymnasium Nyborg

- Taught mathematics to upper-secondary students.
- Paired theory with demonstrations in programming tools.

2022 2023 2024 2025 2026

EDUCATION

UNIVERSITY OF SOUTHERN DENMARK

BSc in Artificial Intelligence

Sep 2023 - May 2026

- One of the highest GPAs in the programme cohort.
- Thesis awarded the highest possible grade (12): how approximate similarity search losses carry into downstream tasks.

NYBORG GYMNASIUM

International Baccalaureate (IB)

Aug 2021 - May 2023

- Graduated among the top 10% of IB scores worldwide.
- CAS Achievement Award for outstanding service.

2022 2023 2024 2025 2026

// LANGUAGES

Russian

Native or bilingual



English

Native or bilingual



Danish

Native or bilingual



// CERTIFICATIONS

Machine Learning Scientist with Python

DataCamp

Data Scientist Professional with Python

DataCamp

// ALSO EXPLORING

- Quantum computing
- Quantum chemistry and field theory
- Computational neuroscience

