

Carlos Augusto Almeida Diniz

PhD in Bioinformatics | Specialist in AI Applied to Education | Learning Experience Designer | AI Fluency | Learning Analytics | No-Code Automation

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PROFESSIONAL SUMMARY

PhD in Bioinformatics from UFMG and certified by Anthropic in AI Fluency, with more than 10 years spent changing how people learn with technology. I specialise in bringing instructional design, generative AI and learning analytics together to build learning experiences that reduce training costs, accelerate technology adoption and produce concrete results for teams and organisations.

STRATEGIC PROJECTS IN AI APPLIED TO LEARNING

- **AI Fluency for Educators** — Corporate training for the adoption of artificial intelligence, raising productivity and enabling personalisation of teaching at scale.
- **Learning Journey Inteligente** — Design of data-governed adaptive paths, reducing corporate onboarding time and maximising engagement.
- **LearningOps Automation** — No-code automation architecture that removes manual work and speeds up the management of educational platforms and processes.
- **Learning Analytics Command Center** — An ecosystem of interactive dashboards for performance prediction and executive decisions based on real-time data.

Details at: carlosaugustodiniz.com.br

PROFESSIONAL EXPERIENCE

Specialist in Educational Technology, Instructional Design and Personalised Education

Carlos Diniz Mentoria e Consultoria | Belo Horizonte, MG | 2012 to present | principal and continuous activity

- More than 10 years working independently as an educator and consultant, supporting dozens of students and professionals one to one, from secondary school through to postdoctoral level, in Biology, Genetics, Molecular Biology, Biochemistry, Microbiology and Bioinformatics.
- Built immersive learning ecosystems around active methodologies — flipped classroom, gamification and microlearning — adjusting pace and teaching style to each person's profile.
- Created personalised learning paths for in-person and online delivery, using virtual learning environments such as Google Classroom and Moodle and collaborative tools such as Miro and Padlet.
- Brought learning analytics into everyday teaching practice, for individual tracking and real-time adjustment of strategy.
- Integrated generative AI (Claude, ChatGPT, Gemini) into teaching production and lesson design, including adaptive exercise generation, automated content curation and personalised feedback.
- Facilitated training sessions, workshops and mentoring on the adoption of emerging technologies, no-code automation with n8n and AI-assisted productivity.
- Sustained high retention rates and accumulated hundreds of hours of hands-on facilitation for high-complexity assessments.

Operations and Process Analyst

BomDomínio Gestão e Administração de Condomínios | Belo Horizonte, MG | February 2025 to June 2026

- Implemented criticality matrices and structured multichannel ticket triage, removing operational noise, cutting average response time and keeping complex demands moving to resolution.
- Restructured document policies and internal operational flows, removing structural bottlenecks and rework while holding technical compliance.
- Led contract renegotiations grounded in cost-benefit analysis and historical data, producing a direct reduction in the organisation's operating costs.
- Introduced agile methods through Asana and Trello for forecasting, prioritising and tracking demand, making the operation more predictable and keeping SLAs met consistently in high-volume environments.
- Exercised situational leadership in mediating complex disputes between multiple stakeholders, improving alignment and internal satisfaction.

Research Scientist and Data Analysis Specialist

Universidade Federal de Minas Gerais (UFMG) | Belo Horizonte, MG | January 2011 to December 2023

- 11 original articles published in high-impact international journals, accumulating hundreds of citations worldwide, at a research

centre rated CAPES 7 — the highest grade awarded in Brazil.

- Developed computational analysis pipelines and advanced statistical modelling for large volumes of biological data, covering transcriptomics, genomics and proteomics.
- Led the construction and analysis of gene co-expression networks in human macrophages infected with *Leishmania major*, with direct relevance to global public health.
- Taught multidisciplinary courses for the Biological Sciences, Biomedicine, Dentistry and Veterinary Medicine cohorts at UFMG.
- Member of the Research Ethics Committee (CEP) at Izabela Hendrix, acting as technical reviewer and auditor of research projects.

EDUCATION

Postdoctoral research in Bioinformatics

Universidade Federal de Minas Gerais (UFMG) | 2022 to 2023

PhD in Bioinformatics (CAPES 7 — highest grade)

Universidade Federal de Minas Gerais (UFMG) | 2015 to 2019

MSc in Genetics (CAPES 6)

Universidade Federal de Minas Gerais (UFMG) | 2012 to 2014

BSc in Biological Sciences

Centro Universitário Metodista Izabela Hendrix | 2008 to 2012

CERTIFICATIONS

AI Fluency for Educators

Anthropic | May 2026 | verify.skilljar.com/c/jwa3znoob3qt

Teaching the AI Fluency Framework

Anthropic | May 2026 | verify.skilljar.com/c/de2img4obxjq

AI Fluency Framework and Foundations

Anthropic | May 2026 | verify.skilljar.com/c/ym4v4avcgegw

Claude Code 101

Anthropic | May 2026 | verify.skilljar.com/c/vascf7ttp8hw

Introduction to Agent Skills

Anthropic | May 2026 | verify.skilljar.com/c/3tkrze86ueru

Mastering Generative AI | AI in Practice | AI for Marketing | AI for Business Management | AI for Images

InnerAI | May 2026

Cognitive Neuroscience | NLP | Business Management | Mindfulness

May 2026

SKILLS AND COMPETENCIES

Artificial intelligence and generative AI

AI Fluency | Prompt Engineering | Generative AI | AI Agents | Claude (Anthropic) | ChatGPT | Gemini | Vibe Coding

Automation and no-code

n8n | No-Code Automation | AI-Assisted Process Automation

Instructional design and L&D

Instructional Design (LXD) | Learning Experience Design | Instructional Systems Design | Andragogy | Adult Learning | ADDIE | Bloom's Taxonomy | Assessment Design | Kirkpatrick Model | Training Development | Needs Assessment | Curriculum Development

Learning methodologies

Flipped Classroom | Gamification | Microlearning | Blended Learning | Learning Paths | Virtual Learning Environments and LMS

Strategy and people development

Learning Strategy | Workforce Development | Performance Enablement | Upskilling | Reskilling | Learning Analytics

Data and analysis

Complex Data Analysis | Statistical Modelling | Bioinformatics | Scientific Writing | Data Flow Analysis

Tools and platforms

Asana | Trello | Notion | Google Workspace | Miro | Padlet | Google Classroom | Moodle

Management and leadership

Stakeholder Management | Mediation and Conflict Resolution | Agile Methods | Contract and Supplier Management

Languages

Portuguese (native) | English (advanced)

SCIENTIFIC OUTPUT

11 full articles published in indexed international journals (Web of Science and Scopus), with hundreds of citations accumulated worldwide. 9 papers presented in the proceedings of international conferences, including the Brazilian Society of Immunology, the Brazilian Congress of Genetics and X-Meeting BSB.

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