Bernardo Gonçalves de Faria

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Professional Summary

Market/Data Analyst with a background in Computer Science and Engineering (MSc, IST, 17/20), specialized in AI and Data Visualization. Experience in SQL-driven analytics, Python automation and business analytics within a multinational insurance environment. Published researcher in VR and medical visualization.

SKILLS

- **Data & Analytics:** Python (Pandas, NumPy), SQL, Power BI
- **Programming & Development:** JavaScript, C#, Java, OutSystems (application-development)
- **Tools:** Unix, Git, Figma
- **Languages:** Portuguese (Native Speaker), English (Advanced), Spanish (Intermediate), Korean (Beginner)

EXPERIENCE

- **Zurich Insurance Group** — Lisbon, Portugal
  Market Analyst / Strategy & IT Rotation — *Nov 2024 - Present*

  - *Strategy & Business Development (Ongoing)* - Automated Excel and SQL monthly-reporting processes using Python, reducing manual workload by ∼50%; designed and deployed 2 Power BI dashboards tracking Digital, Sales, and tNPS KPIs; managed and optimized Email Marketing database segmentation and performance tracking; performed ad-hoc customer analysis requests; developed channel performance analysis influencing strategic decisions

  - *IT (3-month assignment - starting March 2026)* - Contributing to the technical implementation of OutSystems features within a core business application; supporting development, testing and deployment activities in collaboration with IT teams

  Zurich Graduate Program - Market Analyst — Nov 2023 - Nov 2024

EDUCATION

- **Instituto Superior Técnico (IST)** — Lisbon, Portugal
  Master of Computer Science and Engineering — *Sept 2020 – Jun 2023*

  - Specialization in Interaction and Visualization
    * Courses of note: Virtual Reality (18), Interaction Design Studio (18), User Centered Design (17)
  - Specialization in Artificial Intelligence
    * Courses of note: Deep Learning (16), Autonomous Agents and Multi-Agent Systems (16), Planning, Learning and Intelligent Decision Making (16)
  - Overall Grade: 17/20

- **Instituto Superior Técnico (IST)** — Lisbon, Portugal
  Bachelor of Computer Science and Engineering — *Sept 2016 – Jun 2020*

  - General Software Engineering Education, focused on Programming Skills and Mathematics

PUBLICATIONS

- de Faria, B.G., et al.: *Knowledge maps as a complementary tool to learn and teach surgical anatomy in virtual reality: A case study in dental implantology.* Healthc. Technol. Lett. 1–12 (2024); Master Thesis (18/20), MSc in Computer Science, Instituto Superior Técnico
- Poster presentation at MICCAI 2024: *Knowledge Maps as a Complementary Tool to Learn and Teach Surgical Anatomy in Virtual Reality: a Case Study in Dental Implantology*
- Poster presentation at 6th International Congress of CiiEM 2023: *A VR Approach For Teaching And Learning Oral Surgical Anatomy: Preliminary Results*
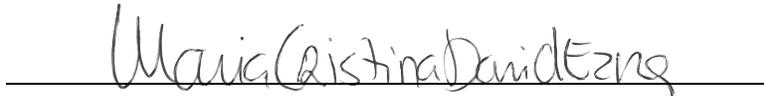
Academic Unit

Certificate

Maria Cristina De Oliveira Santos Matos David Ezra, Coordinator of the Graduation Academic Unit of the Instituto Superior Técnico, Universidade de Lisboa certifies that:

Bernardo Gonçalves de Faria, holder of the Identity Card No 14693857 and of PORTUGUESE nationality, obtained the title of Mestre in Computer Science and Engineering in the Master Degree (MSc) in Computer Science and Engineering, in 20 June 2023, with the final grade of 17 (seventeen), on a scale of 0 - 20, having obtained a total of 120 ECTS, having completed successfully the curricular units in the appendix.

Registry Diploma No 19802/IST/M/2023.

Maria Cristina De Oliveira Santos Matos David Ezra

Coordinator of the Graduation Academic Unit

Instituto Superior Técnico, at Lisboa, 12 December 2023.

Curricular Unit	ECTS	Grade
Autonomous Agents and Multi-Agent Systems	7.5	16 (sixteen)
Machine Learning	7.5	16 (sixteen)
Interactive Visual Communication	7.5	14 (fourteen)
User Centered Design	7.5	17 (seventeen)
Natural Language	7.5	17 (seventeen)
Independent Studies 1	1.5	20 (twenty)
Independent Studies 2	1.5	20 (twenty)
Multimedia Content Production	7.5	17 (seventeen)
Information Visualization	7.5	14 (fourteen)
Interaction Design Studio	6.0	18 (eighteen)
Security and Management of Information Systems	6.0	17 (seventeen)
Virtual Reality	6.0	18 (eighteen)
Planning, Learning and Intelligent Decision Making	6.0	16 (sixteen)
2nd Cycle Integrated Project in Computer Science and Engineering	12.0	18 (eighteen)
Master Dissertation in Computer Science and Engineering	30.0	18 (eighteen)