



RAPHAEL SCHMITT

COMPUTER SCIENTIST

CORE FOCUS AREAS

- Natural Language Processing (NLP) & Language Models
- Information Retrieval & Search System Architecture
- AI Infrastructure & GPU/HPC Workflows
- Clinical NLP & Medical Informatics
- Imaging Technologies & Volume Rendering

CORE COMPETENCIES

- Strong analytical skills & deep process understanding
- Strategic, conceptual and systems-oriented thinking
- Pragmatic, solution-driven execution
- Mentoring, coaching & team leadership
- Clear, confident communication & presenting
- High ownership, independence and hands-on mindset

PROFESSIONAL ACTIVITIES

- Development of domain/language-specific NLP/LLM models (e.g., GottBERT, PortBERT, SindBERT)
- Engineering robust data-processing and automation pipelines
- Applying modern AI/ML tools for workflow optimization
- Designing secure architectures for sensitive data environments
- Developing open-source software for research and industry
- Delivering lectures, workshops and technical training
- Modernizing and optimizing digital platforms and backend systems
- Collaborating with interdisciplinary teams to solve technical challenges
- Mathematical modeling and optimization

PROFESSIONAL EXPERIENCE

- 5 y Over-consortial NLP Lead (MIRACUM & DIFUTURE)
- 4 y Computer Scientist, TU Munich
- 6 y Project Lead, University Medical Center Freiburg
- 2 y Lecturer, Macromedia University Freiburg
- 7 y Software Engineer, Porzellanland Schmitt GmbH

EDUCATION

- Research visit at the University of the Azores, Portugal
- Master of Science (M.Sc.) in Computer Science, University of Freiburg, Freiburg
Exchange year at Queen's University, Canada
- Bachelor of Science (B.Sc.) in Computer Science, University of Freiburg, Freiburg
- Minor in Psychology

LANGUAGES

- German - Native
- English - Fluent
- French - Basic

Raphiniert.com

☎ +49 1520 826 999 4
✉ mail@raphiniert.com
📍 CAYA Postbox 985694
96035 Bamberg
Germany