# **Dr. Peet Cremer**

Transistorfaret 9, 1396 Billingstad, Norway | 📞 +47 917 42 339

🗾 peet.cremer@gmail.com | in Peet Cremer | 🜍 @PeetCremer | 🌹 Publication lis

Al Technical Leader with deep expertise in machine learning theory and enterprise Al strategy. Combines strong analytical foundation with proven experience managing engineering teams (up to 15 developers) and architecting production Al systems. Led enterprise adoption of cutting-edge Al development tools across 100+ engineers while maintaining hands-on technical expertise. Seeking technical leadership roles to guide organizations through Al transformation.



#### KEY TECHNICAL ACHIEVEMENTS

- ▼ Led enterprise adoption of advanced AI development tools (Cursor, Gemini Code Assist) across 100+ developers with reported significant productivity gains
- Pioneered application of computer vision algorithms to automotive perception systems, resulting in 10 patents covering training of radar perception algorithms, data storage, and fleet management
- 🕊 Managed up to 15 developers across multiple teams while maintaining only 2 customer-impacting incidents over 1 year
- Architected production ML systems for building industrial knowledge graphs within an enterprise-scale data platform
- 7 peer-reviewed publications in Statistical Physics demonstrating strong research and analytical capabilities

# **WORK EXPERIENCE**

#### Principal Engineer - Atlas Al

COGNITE (Oslo, Norway)

27/01/1988

**Strategic Role Transition**: Moved from engineering management to hands-on technical leadership to drive AI innovation during this pivotal transformation period. Leading technical strategy for AI evaluation frameworks and enterprise AI adoption.

- Enterprise AI Strategy: Architected organization-wide adoption of cutting-edge AI development tools (Cursor, Bolt, Claude Code, Gemini Code Assist, and Model Context Protocol servers), expanding usage across 100+ engineers with teams reporting weeks-to-days productivity improvements
- Al Evaluation Innovation: Designing comprehensive evaluation frameworks for industrial Al agents and NLP tools interfacing with Cognite's data platform
- LLM Technical Leadership: Led benchmarking of state-of-the-art models (Anthropic, OpenAl, Google, DeepSeek) for industrial knowledge graph applications, directly informing Atlas Al architecture decisions. Delivered external benchmark report providing industry insights on LLM performance for industrial Al applications
- Cross-functional Collaboration: Coordinated with Legal, Security, and Procurement teams to ensure compliance, risk mitigation, and successful tool rollouts. Managed end-to-end procurement processes and conducted training sessions to maximize adoption effectiveness

Recognized by CEO Girish Rishi in LinkedIn posts for AI tooling strategy leadership and Atlas AI engineering innovation.

## Senior Director of Engineering

COGNITE (Oslo, Norway)

**#** 02/2024 - 2/2025

Strategic engineering leadership role combining organizational growth with AI initiative development. Gained executive perspective on enterprise AI transformation while maintaining technical involvement.

- Strategic Expansion: Designed and executed hiring strategy for Cognite's India Center of Excellence, establishing staffing plans and engineering operations for 20+ roles. Contributed to successful inauguration of India Center of Excellence supporting Cognite's global expansion strategy
- Engineering Leadership: Managed 10-15 developers across data integration, connectivity, and AI initiatives during critical company scaling phase.

  Maintained only 2 customer-impacting incidents across those team's services over 1 year while scaling teams
- Product Strategy: Collaborated on Contextualization services roadmap, aligning technical architecture with business objectives

# **Director of Engineering**

COGNITE (Oslo, Norway)

**(1)** 02/2023 - 02/2024

Engineering management role focused on people leadership, technical planning, and team development. Stepped up to manage additional teams during organizational transitions when multiple Engineering Managers departed.

- Crisis Management: Absorbed responsibility for multiple teams during management transitions, scaling from 1 to 3 teams (up to 18 developers) while maintaining delivery commitments and service reliability
- Team Recovery: Transformed inherited struggling team from red-yellow to yellow-green health metrics by enabling Cognite's support team to triage customer requests and creating documented guardrailed escalation processes, significantly reducing engineering team stress
- Technical Leadership: Led teams specializing in contextualization of industrial data, data-driven troubleshooting applications, and parsing of engineering diagrams

#### Senior Machine Learning Engineer and Tech Lead

COGNITE (Oslo, Norway)

**M** 08/2021 - 02/2023

Technical leadership role building production ML systems for building an industrial knowledge graph. Combined hands-on development with cross-functional team leadership.

- Led cross-functional team of 5 software/ML engineers implementing intelligent algorithms
- Architected and maintained microservices deploying ML algorithms in SaaS environment. Included a diagram parsing service, a named entity
  recognition service, and a service for annotation storage
- · Created data infrastructure capabilities enabling advanced graph queries and industrial reality interactions

#### AI Lead Developer

APTIV (Wuppertal, Germany)

**12/2020 - 07/2021** 

Technical innovation leadership in automotive AI applications. Combined deep ML expertise with practical deployment experience.

- Automotive Al Innovation: Led breakthrough work applying vision-based perception algorithms to automotive radar, using LiDAR as reference sensor. Implemented the training dataset creation process, deploying a pointcloud autolabeling algorithm, and creating a robust data preprocessing and augmentation mechanism
- Led planning and execution of ML and data infrastructure projects for automotive perception tasks
- Contributed to significant innovation pipeline, resulting in 10 patents and 1 publication (see <u>publication list</u>) covering training of radar perception algorithms, automotive data storage, and fleet management systems

#### Software Development Expert

APTIV (Wuppertal, Germany)

**(1)** 07/2017 - 12/2020

Built comprehensive data infrastructure and ML pipeline foundation for automotive sensor data, enabling advanced AI research and development capabilities.

- Data Platform Engineering: Built end-to-end data platform for automotive sensor data, including recording tools for vehicle sensors, storage infrastructure, labeling systems, and preprocessing workflows
- Microservices for ML Inference: Established microservice architecture for automated inference processing, enriching incoming data with algorithm-generated insights as new sensor data is uploaded
- Technical Mentorship: Supervised Master's thesis on GANs for automotive data style transfer

#### **EDUCATION**

# Ph.D., Theoretical Soft Matter Physics

University of Düsseldorf

**#** 2013 - 2017

**Strong Theoretical Foundation**: Deep understanding of statistical systems, numerical optimization, and mathematical modeling. Research background provides analytical rigor and quantitative problem-solving skills that transfer effectively to AI/ML leadership roles.

- Dissertation: Mesoscale modeling of magnetic elastomers and gels using finite element methods and density functional theory
- 7 peer-reviewed publications (see publication list) demonstrating research depth and scientific communication skills

#### M.Sc. Physics (GPA: 1.1/4.0<sup>1</sup>)

University of Düsseldorf

**2012 - 2013** 

Focus: Soft Matter, Statistical Physics. Minor: Mathematics. Master thesis on "Emergent states in active systems" published in peer-reviewed journal, demonstrating early research impact and theoretical depth.

#### B.Sc. Physics (GPA: 1.2/4.0<sup>1</sup>)

■ University of Düsseldorf

**#** 2008 - 2012

Minor: Mathematics. Strong foundation in mathematical modeling and computational physics. Bachelor thesis published as journal article, showing consistent research excellence from early career.

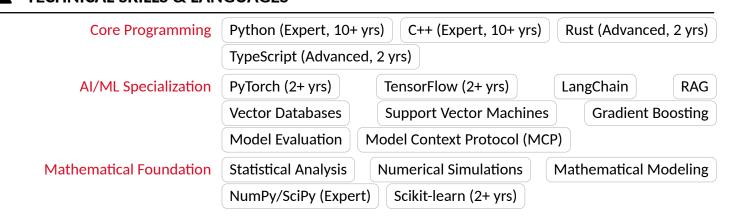
#### Research Internship (DAAD RISE Scholarship)

Yale University, USA

**m** 07/2010 - 10/2010

Selected for DAAD RISE Worldwide scholarship for research internship at Yale University. Conducted laboratory experiments on optical properties of butterfly wings and developed theoretical models for optical behavior, demonstrating early research capabilities and international experience.

## TECHNICAL SKILLS & LANGUAGES



<sup>&</sup>lt;sup>1</sup>German grading system: 1.0 (best) to 4.0 (worst)

Engineering Leadership	Technical Team Leadership Strategic Hiring & Talent Acquisition						isition
	Enterprise AI Strategy & Implementation AI Productivity Tooling Adop						doption
	Cross-functional Collaboration Operational Exc						llence
	Production ML Systems						
Infrastructure & Tools	Docker	Kubernetes	PostgreS0	QL	MongoDB	Azure	GCP
	FastAPI	Microservic	es Liı	nux	Cursor Claude Cod		Code
	Gemini Code Assist						
Languages	German (	native) English	n (C1) No	orweg	gian (B2) Fre	ench (A2)	

# **TEACHING & KNOWLEDGE SHARING**

Lecturer on Artificial Intelligence

University of Wuppertal, Germany **10/2020 - 04/2021** 

Designed and delivered 3 comprehensive lectures with exercises: Numerical Optimization (SOTA ML optimizers like Adam & Evolutionary Algorithms), Gradient Boosting, and Support Vector Machines. Demonstrates ability to distill complex ML theory into teachable concepts.

Co-Organizer, NorwAl 2022 Hackathon

NTNU Trondheim, Norway

**m** 08/2022 - 10/2022

Led technical organization of Data Science hackathon, including dataset curation, task definition, student supervision, and contribution evaluation.

# **TARGET ROLES & KEYWORDS**

**Seeking**: Staff Engineer, Principal Engineer, Technical Lead, Al Architect, Technical Director roles at technology companies with strong engineering culture. Open to hybrid remote positions in Norway or full remote opportunities.

**Specializations**: Al Strategy, Machine Learning Architecture, Technical Leadership, Engineering Excellence, Enterprise Al Transformation, Industrial Al Applications, Team Scaling, Production ML Systems.