

ANTONI PATER

AI Researcher | Data Scientist | Builder



I turn real problems into models and systems that make work simpler. My work connects AI research, statistics, and production engineering across medtech, fintech, and automation.

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EXPERIENCE

Data Scientist Intern

[GPC - Genuine Parts Company](#) | Jul 2025 - Present

- Work on data science and machine learning for search queries, including query analysis and relevance data.
- Develop clustering and analytical workflows for procurement data, surfacing patterns in supplier behaviour.
- Build simulations and AI-agent workflows; orchestrate ML pipelines with Kubeflow.
- Use Python, Transformers, SQL databases, Git, scikit-learn, XGBoost, and reproducible experiment practices.

Co-founder

[Procero](#) | Current

- Built an operational intelligence product for purchasing and inventory decisions in grocery retail.
- In a 9-store case study, reduced order preparation from 2 hours to 8 minutes while comparing 18 wholesalers.

Domain Group Lead

[Athletic Intelligence](#) | Current

- Lead algorithm work for football clubs and translate domain questions into measurable modelling tasks.

AI Researcher

[AI Lab, AGH](#) | Previous

- Conducted student research in artificial intelligence and applied machine learning.

SELECTED RESEARCH & PRODUCTS

BloodAI - multi-label medical triage

[Best Paper Award, PP-RAI 2026](#) | [Jan Banasik](#), [Antoni Pater](#)

Medical-domain BERT pipeline combining laboratory parameters and an adaptive interview to estimate eight independent care routes. Built with MIMIC and Synthea data; journal publication forthcoming.

Causal decision analysis

[Research in review](#)

Studies how observational action valuations change across defensible estimands, nuisance models, trimming, covariates, and feature definitions.

EDUCATION

Computer Science and Intelligent Systems

[AGH University of Krakow](#)

Fourth-year student | 2023-2027

LEADERSHIP

President, AGH Quant Finance

Leading a student community around quantitative research and finance.

RECOGNITION

Best Paper Award - PP-RAI 2026

BloodAI

Global Top 500 - Anthropic x Cerebral Valley Opus 4.7 AI Hackathon

BloodAI medical triage platform

Finalist - Shark Tank Tech-On Krakow 2025

BloodAI

CORE EXPERTISE

Core areas

Python · Data Science · Machine Learning · LLMs · AI Agents & RAG · Causal Inference · Statistics · NLP

Engineering

Python · SQL & databases · Git · Pandas · scikit-learn · XGBoost · FastAPI · Kubeflow

LLM stack

BERT · Hugging Face Transformers · LangChain · FAISS · Sentence Transformers

Domains

Data Science · Search & relevance · Medtech · Fintech · Quant Finance · Automation

CURRENT FOCUS

Building · Agents & RAG for industry

Domain-specific knowledge and workflow agents.

Developing · Bayesian Networks

Probabilistic graphical models and reasoning under uncertainty.

Researching · Causal Inference

Estimands, nuisance models, and observational action valuation.

Developing · Reinforcement Learning

Sequential decision-making and policy evaluation.