

# Ziad Nawar

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📍 Den Haag, Netherlands

## PROFILE

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Data scientist with 5+ years of experience across machine learning, software engineering, and applied AI research. Delivers production systems for enterprise clients, from reinforcement learning research to recovering stalled deployments, while managing client relationships and mentoring engineering teams. Master's degree in Artificial Intelligence from TU Delft.

## CORE COMPETENCIES

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- **Programming Languages** including Python, R, Java, JavaScript, SQL, C++
- **ML Techniques** including Reinforcement Learning (GRPO, RLVR), Bayesian Modeling, Causal Inference
- **Applied ML** including Time-Series Forecasting, Computer Vision, Natural Language Processing (NLP)
- **Python Frameworks** including Pandas, Scikit-Learn, NumPy, TensorFlow, Transformers, XGBoost, Matplotlib, Plotly, Seaborn
- **Full-Stack Development** including React, Node.js, Next.js, FastAPI, Flask, SQL and NoSQL databases
- **Client & Delivery** including Requirements discovery, stakeholder presentations, project recovery, technical interviewing and mentoring
- **Tools & Platforms** including Git, Docker, Azure, Databricks
- **Other Platforms** including OutSystems

## WORK EXPERIENCE

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### Senior Data Scientist, Datacation

Sep 2024 - Present | Amsterdam, Netherlands

*Datacation is an AI and data science consultancy company.*

- Applied **reinforcement learning (GRPO, RLVR)** to reasoning tasks on **sub-1B parameter models** as part of a small language model research program for a multi-billion-dollar consumer technology company, across a 60-day first phase and an 8-10 week follow-on phase.
- Presented user behavior findings to the **CTO, CPO, and product leads** of a document intelligence platform used by law firms and private equity funds, helping shape **3 later AI initiatives**.
- Took over a stalled client automation project with no evaluation process, rebuilding the pipeline and error analysis from scratch to restore the client relationship.
- Drove adoption of AI coding agents across the team, scaling to **6 agents running in parallel**, and mentored **3 junior/medior engineers** through **30+ technical interviews**.

### Data Scientist, Artefact

Sep 2023 - Sep 2024 | Utrecht, Netherlands

*Artefact is a consultancy company specialised in AI and digital marketing.*

- Analyzed marketing performance for a multi-billion-dollar US retail client using **causality analysis** and **time-series forecasting**.
- Led end-to-end development and deployment of a **Bayesian-based ranking model** for a popular e-sports game, from research through delivery.
- Mentored an intern over a **5-week period**, providing technical guidance to deliver an internal solution on schedule.

### Software Developer, Grant Thornton Netherlands

Nov 2020 - Sep 2023 | Gouda, Netherlands

*Grant Thornton is a global audit, tax, and advisory firm.*

- Translated business challenges from non-technical colleagues into actionable technical solutions using an iterative development approach.
- Built a reporting tool that automated financial report generation, cutting department turnaround from **8 hrs to 1 hr per report**.
- Designed and implemented a customized surveying system, streamlining data collection workflows.
- Developed systems for financial document parsing and invoice generation automation.

### Software Developer, ScenWise

May 2020 - Jul 2020 | Netherlands

*ScenWise is a software development company that works in the mobility sector.*

- Contributed to a traffic data analysis web application back end using **Java, REST API, and Spring**.

## EDUCATION

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### Delft University of Technology

Sep 2021 - Aug 2023

*Master of Science, Artificial Intelligence & Machine Learning*

Publication: *A System for Model Diagnosis centered around Human Computation*

## **LANGUAGES**

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**Arabic** — Native/Bilingual

**English** — Fluent

**Dutch** — Conversational