

Roham Koohestani

Researcher, JetBrains Research (HAX Team)
AISE Lab, Delft University of Technology
The Hague, Netherlands

roham.koohestani@jetbrains.com
rohamkoohestani.com
[Google Scholar](#) / [ORCID](#) / [GitHub](#)

Research Interests

AI for software engineering: large language models for code, developer–AI interaction, and the verification of agentic systems. My aim is AI assistance that developers can trust, grounded in empirical evidence of what they need and in formal guarantees designed to serve those needs.

Employment

JetBrains Research The Hague, Netherlands 2026 – present
Researcher, Human-AI Experience (HAX) team. Developer-centric trustworthy AI for software engineering.

JetBrains Research Amsterdam, Netherlands 2025 – 2026
Research Intern, Human-AI Experience team. In-IDE calibration of LLMs at production scale (JetBrains–TU Delft AI4SE collaboration).

AISE Lab, Delft University of Technology Delft, Netherlands 2024 – present
Research Assistant, supervised by Prof. Maliheh Izadi. Benchmarking, agent verification, and IDE personalization.

Syntho B.V. Amsterdam, Netherlands 2023 – 2024
Software Engineering Intern. Synthetic data generation, benchmarking, and time-series synthesis conditioned on metadata.

Syntho B.V. Amsterdam, Netherlands 2022 – 2023
High School Intern. Bias minimization and fairness in machine learning through synthetic data.

Education

MSc Computer Science Delft University of Technology 2026 – present
Thesis: AI-agent supported migration of legacy systems at the Dutch Inspectorate for Living Environment and Transport (ILT).
Supervisor: Prof. Arie van Deursen.

Mathematics Minor University of Amsterdam 2025 – 2026
Number and set theory, theory of statistics, differential equations, information theory, and Markov chains.

BSc Computer Science and Engineering Delft University of Technology 2023 – 2026
Data elective track. Bachelor thesis: AST-guided membership inference for code language models (published at FSE Companion 2026).

Publications

*Author ordering follows contribution. **Bold** indicates the presenting / corresponding author where*

Service

Co-Reviewing — Conferences & Journals

ICSE ('25, '26C1, '26C2), FSE ('25), ASE ('25), EMSE ('25), ISSTA ('26)

Reviewer — Conference

ICSME Industry Track 2026

Reviewer — Workshops

DeepLearning4Code Workshop @ NeurIPS 2025

DeepLearning4Code Workshop @ ICML 2026

FSE × AIWARE Competition — Poisoned Chalice @ FSE 2026

Organizing

Web-Chair, AgenticSE Workshop @ ASE 2025