

# Laith Rastanawi

SOFTWARE CONSULTANT & MATHEMATICIAN

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## Profile

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Berlin-based software consultant and mathematician, working on software systems and AI integration for enterprise clients. PhD in Mathematics from Freie Universität Berlin, with research in computational geometry and discrete mathematics. Interested in AI safety, with a focus on evaluation, failure modes, and monitoring of advanced AI systems.

## Work

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### Senior Software Consultant

Sep 2022 — present

TNG TECHNOLOGY CONSULTING — MUNICH, GERMANY

- Design and build software solutions for complex technical problems in enterprise environments.
- Work in agile teams delivering production systems and cloud-based applications.

### Scientific Researcher

Aug 2018 — Feb 2022

FREIE UNIVERSITÄT BERLIN — BERLIN, GERMANY

- Member of the Discrete Geometry and Topological Combinatorics research group.
- Part of the research training group Facets of Complexity.

## Education

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### Dr. rer. nat. in Mathematics

Oct 2018 — May 2022

FREIE UNIVERSITÄT BERLIN — BERLIN, GERMANY

- Thesis: On realization spaces of polytopes and 4-dimensional point groups.
- Funded by the Facets of Complexity research training group.
- Certificate with distinction from the Berlin Mathematical School.

### M.Sc. Mathematics

Oct 2015 — May 2018

FREIE UNIVERSITÄT BERLIN — BERLIN, GERMANY

- Thesis: On the dimensions of the realization spaces of polytopes.
- Funded by a DAAD scholarship.

### B.Sc. Mathematics

Oct 2008 — Jun 2014

UNIVERSITY OF ALEPPO — ALEPPO, SYRIA

- Thesis: Problems which can be solved using differential equations.

## Training

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### Technical AI Safety

May 2026 — Jun 2026

BLUEDOT IMPACT — ONLINE · CERTIFICATE

- 30-hour program covering current AI safety techniques and gap analysis.
- Developed threat models through kill chain analysis.
- Created an action plan for contributing to making AI safer.

### IEP Ambassador

Oct 2025 — Dec 2025

INSTITUTE FOR ECONOMICS AND PEACE — ONLINE · CERTIFICATE

- Six-week program covering IEP's data-driven research methodology, the Global Peace Index, and the Positive Peace Index.
- Completed practical application exercises and an Ambassador Challenge bridging theory and action.

### Leadership for Syria Program

Nov 2016 — Jul 2017

UNIVERSITY OF KONSTANZ — KONSTANZ, GERMANY

- Participated in a civic leadership program focused on democracy and civil society.
- Completed workshops and collaborative projects on institutional development.

## Certifications

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### Generative AI Leader

Dec 2025

GOOGLE CLOUD · BADGE

Validates comprehensive knowledge of how generative AI can transform businesses, including Google Cloud's gen AI offerings and Google's AI-first approach to innovative and responsible AI adoption.

### Oracle Certified Professional

Sep 2024

ORACLE · BADGE

Demonstrates proficiency in Java SE 17 development, recognized by a wide range of industries worldwide.

### Associate Cloud Engineer

Dec 2023

GOOGLE CLOUD · BADGE

Deploys and secures applications, services, and infrastructure, monitors the operations of multiple projects, and maintains enterprise solutions to meet target performance metrics.

## Volunteering

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### Co-Manager

May 2025 — present

SYRIAN ACADEMIC LIBRARIES INITIATIVE (SALI) — GERMANY

- An initiative of the German Syrian Research Foundation (DS-FG).
- Coordinate projects supporting Syrian academic libraries and knowledge infrastructure.
- Support initiatives aimed at rebuilding academic resources in post-war Syria.

### Mathematics Instructor

Aug 2020 — Mar 2022

MATHEMATISCHE SCHÜLER\*INNENGESELLSCHAFT — BERLIN, GERMANY

- Taught advanced mathematical topics to gifted high-school students.
- Developed weekly lessons introducing advanced mathematical concepts.

### Content Writer

Jan 2014 — May 2016

SYRIAN RESEARCHERS INITIATIVE — ONLINE · PROFILE

- Wrote Arabic-language articles explaining mathematical concepts for a broad audience.