

Emre Yalcinoglu

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Education

- 2020–2024 **MSc in computer science**, *University of Bonn*, Germany.
AI track
- 2016–2020 **BSc in mathematics with minor in computer science**, *University of Bonn*.
Focus on algebraic topology, differential geometry, category theory
Bachelor's thesis: [Dold-Kan Correspondence](#)
- 2010–2015 **High school**, *Kabatas Erkek Lisesi*, Istanbul, Turkey.
Scored %0.1 percentile in the Undergraduate Placement Exam

Professional experience

- 02/2024–Present **Software engineer**, *Autodesk*.
Large Model Viewer Team
- 04/2022–09/2023 **Software engineer intern**, *Autodesk*.
Full-stack web development. AWS, Spring, MongoDB and React. Helped developing [Autodesk Viewer](#), an app with half a million users per day. Collaboration with Microsoft on Fluid Framework.
- 06/2021–03/2022 **Student research assistant**, *Fraunhofer IAIS*.
NLP implementations and cloud support. Worked on the [DigMa](#) project using PyTorch and sklearn. Managed Azure Lab Services.
- 01/2021–05/2021 **Software engineer**, *Murmuras*.
Fullstack development with MEAN stack. Took over an app, improved and integrated.
- 04/2019–09/2019 **Student assistant**, *University of Bonn*.
Real Analysis, in German, weekly lectures and homework assignments.

Software skills

- Backend 2 years of professional experience with Spring, Java, Docker and (No)SQL. 10 years of personal experience with Linux. Familiar with AWS and Apache Kafka.
- Frontend More than 2 years of professional experience with JavaScript. Angular, Backbone and mostly React (v16 and v18). Different testing libraries, debugging tools.
- Machine learning 1 year of professional experience with ML/AI. 10 years of experience with Python, multiple NLP and vision projects with PyTorch and sklearn. OpenCV with C++.
- Miscellaneous [Hackathon project](#) with Rust, multiple university projects with C++, [Haskell project](#) for automated theorem proving, deployed smart contracts via Solidity.

Languages

Turkish	English	German
native	fluent	advanced (DSH-3, C1)

Certifications

Professional Scrum Master I (PSM I) 03/2020	AWS Certified Cloud Practitioner 06/2021
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Awards

Hackathon@Welthungerhilfe 02/2020 First place	RustFi Hackathon 10/2022 Runner-up
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