

Maximilian Schall

MACHINE LEARNING RESEARCHER | PHD CANDIDATE

Berlin, Germany

🏠 www.maximilianschall.me | [📄 Maxscha](#) | [🌐 Maximilian-Schall](#)

Education

Hasso Plattner Institute, University of Potsdam

PHD IN MACHINE LEARNING

“Bridging the Gap between Fine-Tuning and Parameter-Efficient Adaption”
Supervised by Gerard de Melo and Ralf Herbrich

Potsdam, Germany

Mar. 2022 – Present

Hasso Plattner Institute, University of Potsdam

MASTER OF SCIENCE, IT-SYSTEMS ENGINEERING

M.Sc., Cumulative GPA: 1.3[†]

“Commit Message Generation with Transformer Models” supervised by Gerard de Melo

Potsdam, Germany

Apr. 2018 – November. 2021

University of Applied Sciences Esslingen

BACHELOR OF ENGINEERING, SOFTWARE ENGINEERING

B.Eng., Cumulative GPA: 1.9[†]

“Design and Implementation of a Distributed System for an All-Around Vehicle View” supervised by Joachim Goll

Esslingen am Neckar, Germany

Oct. 2012 - Jul. 2016

[†] ON A SCALE FROM 1-5 WITH 1.0 BEING THE BEST POSSIBLE GRADE.

Publications

CommitBench: A Benchmark for Commit Message Generation

Maximilian Schall, Tamara Czinczoll, Gerard de Melo. 2024 IEEE International Conference on Software Analysis, Evolution and Reengineering

SANER

2024

Efficient Parallelization Layouts for Large-Scale Distributed Model Training

Johannes Hagemann, Samuel Weinbach, Konstantin Dobler, Maximilian Schall, Gerard de Melo. Workshop on Advancing Neural Network Training at NeurIPS 2023.

WANT

2023

GorillaVision – Open-Set Re-Identification of Wild Gorillas

Lukas Laskowski, Rohan Sawahn, Maximilian Schall, Dante Wasmuht, Magdalena Bermejo, Gerard de Melo
Third International Workshop on Camera Traps, Artificial Intelligence, and Ecology

CTAIE

2023

Professional Experience

Hasso Plattner Institute, University of Potsdam

DOCTORIAL RESEARCHER

- Researching adaption of pre-trained language models
- Teaching assistant for machine learning courses

Berlin, Germany

Mar. 2022 - Today

Digital Warmup Guide

CO-FOUNDER

- A platform featuring a collection of warm-up activities designed to inspire human interaction in a remote work environment.

Berlin, Germany

Dec. 2020 - Dec. 2021

flyiin GmbH

INTERN ELIXIR BACKEND ENGINEER

- Redesigned, developed and documented an air travel API with Elixir and Phoenix.

Berlin, Germany

Jul. 2019 - Oct. 2019

IT-Designers GmbH

PART-TIME SOFTWARE DEVELOPER

- Developed a programming portal for students and junior employees utilizing ASP.NET Core, Docker and xUnit.

Esslingen am Neckar, Germany

Mar. 2016 - Jul. 2019

Awards

Distinguished Paper Award, 2024 IEEE International Conference on Software Analysis, Evolution and Reengineering for “CommitBench: A Benchmark for Commit Message Generation”

2024

Best Paper Award, Workshop on Advancing Neural Network Training at NeurIPS 2023 for “Efficient Parallelization Layouts for Large-Scale Distributed Model Training”

2023

Academic Service

TEACHING

NLP and CV with Deep Learning – Research Seminar , Project supervision of 2 students	Fall 2023
Trends in AI and Deep Learning – Research Seminar , Seminar organisation	Spring 2023
Recent Trends in Deep Learning and AI – Research Seminar , Seminar organisation and project supervision of 4 students	Fall 2022

SUPERVISION

Efficient Parallelization Layouts for Large-Scale Distributed Model Training , Master Thesis Supervision. Industry Partner: Aleph Alpha	Jan - Aug 2023
GorillaTracker: A Self-Supervised Learning Pipeline for Gorilla Re-Identification , Project supervision for 8 students. Partners: Magdalena Bermejo, Conservation X Labs	Oct 2023 - Present

Volunteering

Techlabs Berlin e. V.

Berlin

JOURNEY LEAD | BOARD MEMBER

Apr. 2020 - Present

- TechLabs is a non-profit initiative that helps students and young professionals to acquire essential skills in topics such as AI, Data Science, and Web Development.
- Responsible for leading the team to organise a bootcamp with around 80 participants each semester.