

Anya Von Diessl

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[LinkedIn](#)

EDUCATION

Stanford University, Stanford, CA
Bachelors of Science, Mathematics

June 2025

Stanford University, Stanford, CA
Masters of Science, Computer Science (Artificial Intelligence Track)

Expected March 2026

EMPLOYMENT

Teaching Assistant for CS227b: General Game Playing, Stanford Computer Science Department

March 2024 - June 2024

Assisted in teaching a graduate-level AI course on General Game Playing, focusing on the design of autonomous agents that learn and execute strategies for previously unseen games based solely on formal logic descriptions. Guided students in applying methods from automated reasoning, symbolic knowledge representation, adversarial and heuristic search, and resource-bounded planning, while refining my own expertise in algorithmic game theory and general-purpose intelligence systems.

Machine Learning Researcher, Stanford Computer Science Department

September 2024 - June 2025

I developed a contrastive deep learning model to identify regulatory differences in chromatin accessibility across normal, tumor, and metastatic states. By leveraging CNN architectures like ChromBPNet, I applied advanced machine learning techniques to enhance the precision of sequence-to-function predictions, with a focus on refining computational models for disease progression, particularly in thyroid cancer.

AI Researcher, Stanford Transitional AI Lab

September 2024 - January 2025

At the STAI Lab, I work on interdisciplinary research that bridges AI methodologies with real-world clinical applications, focusing on advancing precision healthcare. My role involves developing AI-driven solutions, particularly in the areas of Computer Vision and Medical Imaging, to address technological gaps in clinical settings.

Google Intern, Google

July 2023 - September 2023

Developed a high-performance user interface for a fraud detection system within Google Ads, leveraging TypeScript, HTML, and CSS to build scalable, production-quality features. Collaborated with cross-functional teams to translate complex fraud detection workflows into intuitive designs, optimizing both usability and system reliability for a platform handling billions of ad transactions.

Math Department Tutor, Stanford

September 2024 - Present

In my role as a tutor for, Stanford's Math Department to support students in mastering their math courses. Through drop-in tutoring sessions, I provide personalized academic support, clarify complex concepts, and guide students through challenging coursework and problem-solving techniques. My role extends beyond simply answering questions, I'm dedicated to fostering a deeper understanding of mathematical principles, encouraging independent learning, and enhancing students' confidence in their analytical abilities.

Teaching Assistant for CS105: Introduction to Computers, Stanford Computer Science Department

September 2023 - January 2024

I facilitated hands-on learning experiences in web development, encompassing HTML/CSS, and Python programming. My approach combined theoretical knowledge with practical application, aiming to equip students with the skills necessary for modern web development practices.

COURSEWORK

SKILLS

Machine Learning, Programming Methodologies, Programming Abstractions, Computer Organization & Systems, Design and Analysis of Algorithms, NLP, Integral Calculus of Several Variables, Differential Equations with Linear Algebra and Fourier Methods, Vector Calculus.

Machine Learning • Python (Programming Language) • C++ • MATLAB • Microsoft Excel • Microsoft Word