

Contact

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Top Skills

Automation

Data Analysis

High Performance Computing (HPC)

Alexander Stepanov

CS @ DHBW & Berkeley | Lead Engineer @ HERO2 | Corporate Student @ HPE | Research @ Berkeley IEOR
Stuttgart Region

Summary

building the future

Experience

Berkeley Industrial Engineering & Operations Research

Researcher

January 2026 - Present (1 month)

Berkeley

Research at the intersection of optimization and machine learning,

Guided by Prof. Dr. Hochbaum

HERO2

Lead Engineer

June 2025 - Present (8 months)

Berkeley, California, United States

The first US platform tokenizing sustainable mobility into verifiable carbon credits.

Hewlett Packard Enterprise

1 year 5 months

Corporate Student Computer Science

September 2024 - Present (1 year 5 months)

Böblingen, Baden-Württemberg, Germany

Research Engineering Intern HPE LSIP Labs

August 2025 - January 2026 (6 months)

Böblingen

Development and optimization of a GPU-based hardware simulator for in-memory computing accelerators that solve combinatorial optimization problems using memristive SAT solvers.

Software Engineering Intern HPE HPC AI & Delivery Services

March 2025 - June 2025 (4 months)

Böblingen

Developed a automation system for the generation of Operating system images tailored for deployment on supercomputing nodes.

Software Engineering Intern HPE Services

October 2024 - December 2024 (3 months)

Böblingen

Designed and implemented a software solution to automate the update process for X-ray imaging devices.

Pinetco

Junior IT Consultant

March 2022 - September 2023 (1 year 7 months)

Wuppertal, North Rhine-Westphalia, Germany

Supporting software testing and project coordination at Pinetco, contributing to the development of client-focused apps and websites. Experienced in working with HubSpot and assisting in the management of multiple digital projects.

Фриланс

Software Programmer

November 2020 - March 2022 (1 year 5 months)

Developing web scrapers, parsers, various automation bots, and graphical user interfaces using Python. Experienced in scripting for XML processing and database interactions with SQL.

Freelance

Python Educator

November 2020 - March 2022 (1 year 5 months)

Teaching children the fundamentals of programming using Python in an engaging and accessible way

Education

DHBW Stuttgart

Bachelor's degree, Computer Science · (September 2024 - September 2027)

University of California, Berkeley

Bachelor's degree, Computer Science · (January 2026 - May 2026)

Gymnasium Schwerstraße

