

## Contact

stepanovalexander702@gmail.  
com

[www.linkedin.com/in/alexander-  
stepanov-a91923243](https://www.linkedin.com/in/alexander-stepanov-a91923243) (LinkedIn)

## 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

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## 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

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## 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

