

Lening Li

Boston, MA, USA

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EXPERIENCE

Robotic Lab Advisor

Harvard University

Dec. 2025 – Present

Cambridge, MA

- Guide robotics research projects with focus on learning-based planning, control, and reproducible experimental methodology.

Senior Software Engineer

Symbolic

Oct. 2022 – Sep. 2026

Wilmington, MA

- Designed and shipped production multi-agent path-planning and coordination algorithms in C++ for warehouse robot fleets of thousands.
- Improved fleet robustness through advances in control design, state estimation, and fault-tolerant behavior architectures.
- Optimized real-time decision pipelines to meet strict latency constraints across thousands of concurrent autonomous robots.

Senior Software Engineer

Berkshire Grey

Oct. 2021 – Aug. 2022

Bedford, MA

- Led development of perception and manipulation algorithms enabling robust grasping of novel, previously unseen SKUs (ROS, C++, Python).
- Cut end-to-end system latency by overhauling inter-process communication and execution pipelines.

EDUCATION

Carnegie Mellon University

MBA Candidate

Pittsburgh, PA

Expected May 2028

Worcester Polytechnic Institute

Ph.D. in Robotics Engineering

M.S. in Robotics Engineering — M.S. in Computer Science

Worcester, MA

Harbin Institute of Technology

B.E. in Information Security (Summa Cum Laude) — B.A. in English Language & Literature

China

SKILLS

Programming Languages:	C/C++, Python, MATLAB
Robotics & Learning:	Motion Planning, Optimal Control, Reinforcement Learning
Robotic Systems:	ROS, Distributed Robotic Systems, Real-Time C++ on Linux
Machine Learning:	PyTorch, TensorFlow
Languages:	English (Fluent), Chinese (Native)

ADDITIONAL

12 publications in top robotics, control, and AI venues (ICRA, CDC, ACC, IJCAI, IEEE T-ASE)

Google Scholar: <https://scholar.google.com/citations?user=KWUJ10wAAAAJ>

GitHub: <https://github.com/leelening>

Member, IEEE Robotics and Automation Society