

# Linji (Joey) Wang

Senior Software Development Engineer

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## Objective

Experienced software engineer seeking to build scalable, high-performance systems using modern cloud technologies and best engineering practices.

## Education

### Ph.D. in Computer Science

George Mason University , Fairfax, VA  
GPA: 4.0/4.0

2023 - Present

- Research Area: Reinforcement Learning for Robotics
- Advisor: [Professor Name]
- Focus: Curriculum Learning for Efficient Robot Training

### M.Sc. in Mechanical Engineering

Carnegie Mellon University , Pittsburgh, PA  
GPA: 3.8/4.0

2021 - 2023

- Concentration: Machine Learning and Computer Vision
- Thesis: Vision-based 3D Scene Understanding for AR Applications

### B.Sc. in Mechanical Engineering

University of Cincinnati , Cincinnati, OH  
GPA: 3.9/4.0

2017 - 2021

- Summa Cum Laude, Dean's List All Semesters
- Exchange Program: Chongqing University, China

## Experience

## Key Projects

### Curriculum Learning for Robotic Manipulation (2023 - Present)

Developing adaptive curriculum generation methods for training robotic policies  
*Technologies: PyTorch, IsaacGym, ROS2*

### Vision-based 3D Scene Understanding (2021 - 2023)

Real-time 3D reconstruction and semantic segmentation for AR applications  
*Technologies: OpenCV, PCL, CUDA, Unity*

### GAN-based Image Style Transfer (2022)

Implemented and optimized various GAN architectures for artistic style transfer  
*Technologies: PyTorch, Jupyter, Docker*

## Technical Skills

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**Primary** : System Design, Microservices, Cloud Architecture, Full-Stack Development

**Languages** : Python, Java, TypeScript, Go

**Technologies** : AWS/GCP, Docker/Kubernetes, React/Next.js, PostgreSQL/MongoDB

**Practices** : Agile/Scrum, CI/CD, TDD, Code Review

**Programming Languages** : Python, C++, MATLAB, JavaScript, Julia, Bash

**ML/AI Frameworks** : PyTorch, TensorFlow, JAX, scikit-learn, OpenAI Gym, Stable Baselines3

**Computer Vision** : OpenCV, PCL, Open3D, COLMAP, MediaPipe

**Robotics** : ROS/ROS2, Gazebo, MoveIt, IsaacGym, PyBullet

**Tools Platforms** : Git/GitHub, Docker, AWS/GCP, LaTeX, Linux, SLURM

## Awards & Honors

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- **Graduate Research Fellowship** , George Mason University (2023)
- **Outstanding Teaching Assistant Award** , Carnegie Mellon University (2023)
- **Dean's List** , University of Cincinnati (2017-2021)