

XIANGRUI WEI

✉ xiangrui200@gmail.com · 🔗 <https://xiangruiwei.github.io/> · 🌐 XiangruiWei

🎓 EDUCATION

Northeastern University, China

Sep. 2022 – May. 2026 (Expected)

B.S. in Computer Science and Technology

GPA: 3.9/5.0

Rank: 11/116

🔬 RESEARCH INTEREST

- Deep Reinforcement Learning (DRL)
- Robotics & Embodied AI
- 3D Computer Vision

🧪 RESEARCH EXPERIENCE

Northeastern University

May 2023 – Present

Research Assistant, advised by Wangbin Li and Miao Fang

- **Research Topic:** Quadruped robotics and 3D point cloud segmentation

📖 KNOWLEDGE

Foundation Courses

- Linear Algebra
- Mathematical Modelling
- Database Principles

Programming Courses

- 98/100 • Fundamentals of C++ Programming 96/100
- 90/100 • Programming in Application 95/100
- 93/100 • Data Structure 93/100

Online Courses

- **CS231:** Deep Learning for Computer Vision Stanford University
- **CS285:** Deep Reinforcement Learning UC Berkeley

🏆 COMPETITION

Computer System Development Capability Competition - Xiaomi Cup

July 2023

National 1st Prize (Top 5%) 🏆

- **Contribution:** Designed a radar algorithm and control system for Xiaomi's quadruped robot - Cyberdog 2. The system enabled Cyberdog 2 to traverse challenging terrains, including slopes, stairs, and cobble roads.
- **Github:** <https://github.com/LuoYu2233/Cyberdog2-sim> & <https://github.com/LuoYu2233/Cyberdog-factos>

👥 INDUSTRY EXPERIENCE

CodNoy

March 2023 – Oct. 2023

Software Engineering Intern, supervised by Hongfei Jin

- **Work Content:** Utilized backend design skills to develop a E-commerce management system.

⚙️ SKILLS

- Programming Languages: C/C++, Python, JAVA, L^AT_EX, SQL
- Frameworks: PyTorch, NumPy, Matplotlib, ROS2, Git

🏆 HONORS AND AWARDS

School Scholarship (top 20 %), Northeastern University

2023

Third Prize, LanQiao Collegiate Programming Contest

2023