

# XUXIN CHENG

xuxinc@cs.cmu.edu • chengxuxin.github.io

## EDUCATION / AWARDS

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**Carnegie Mellon University** 08/2021 – 08/2023(Expected)

M.S. in Robotics, School of Computer Science

**University of California, Berkeley** 07/2019 – 01/2021

Visiting student, EECS; GPA: 3.96/4.0

**Beijing Institute of Technology** 09/2016 – 07/2020

B.S. in Automation Engineering; GPA: 91.5/100 (Rank 1/167)

- National Scholarship (0.2%); DWIN Scholarship (1%); Outstanding Student Scholarship (5%, 5 times)
- Graduation with honor: Outstanding Graduates of Beijing & BIT

## PUBLICATIONS

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### **Reinforcement Learning for Robust Parameterized Locomotion Control of Bipedal Robots**

Zhongyu Li, **Xuxin Cheng**, Xue Bin Peng, Pieter Abbeel, Sergey Levine, Glen Berseth, Koushil Sreenath

*IEEE International Conference on Robotics and Automation (ICRA) 2021*

### **Automated Lane Change Strategy using Proximal Policy Optimization-based Deep Reinforcement Learning**

Fei Ye\*, **Xuxin Cheng\***, Pin Wang, Ching-Yao Chan.

*IEEE Intelligent Vehicles Symposium (IV) 2020*

### **Driving Decision and Control for Automated Lane Change based on Deep Reinforcement Learning**

Tianyu Shi, Pin Wang, **Xuxin Cheng**, Ching-Yao Chan.

*IEEE International Conference on Intelligent Transportation Systems (ITSC) 2019*

\* denotes equal contribution

## EXPERIENCE

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**Learning for Embodied Action and Perception (LEAP) Lab, CMU** 11/2021 - Present

Advisor: Deepak Pathak

**Hybrid Robotics Lab (HRL) & BAIR, UC Berkeley** 01/2020 - Present

Advisor: Koushil Sreenath

**Partners for Advanced Transportation Technology (PATH), UC Berkeley** 07/2019 - 02/2020

Advisor: Ching-Yao Chan

## PROFESSIONAL SERVICE

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### **Reviewer**

International Conference on Intelligent Robotics and Systems (IROS) 2022

Robotics and Automation Letters (RA-L) 2021

International Conference on Robotics and Automation (ICRA) 2021

Intelligent Vehicles Symposium (IV) 2020

## SKILLS

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**Languages:** Python, C++, JavaScript, HTML

**Softwares&Tools:** ROS, MATLAB, Pytorch, Tensorflow, MuJoCo, IsaacGym, Raisim, Bullet, Git, L<sup>A</sup>T<sub>E</sub>X