

Yuxiang Yang

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Education

University of California, Berkeley

Aug.2014—May.2018

Bachelor of Science
Electric Engineering and Computer Science (with minor in Mathematics)
GPA: 4.00 / 4.00 (highest distinction)
Research Topics: robotics, control, legged locomotion

Experiences

AI Resident Researcher, Robotics at Google

July 2018 - Present

Research area: machine learning, reinforcement learning, robotics, legged locomotion.
Worked on adapting to different dynamics via meta reinforcement learning.
Built model-based RL pipeline, with which a legged robot learned to walk [in 5 minutes](#).

Student Researcher, Biomimetics Millisystems Lab, UC Berkeley

Jan 2017 - May 2018

Research on the OpenRoACH platform (advisor: prof. Ronald Fearing).
Constructed ROS control pipeline for the robot.
Achieved numerous tasks such as treadmill walking and path-following.

Software Engineering Internships

Microsoft: built machine learning model for performance regression detection. Summer 2017
Google: built machine learning model to estimate ads conversion. Summer 2016
Yahoo: built front-end interface for software performance database. Summer 2015

Teaching

UC Berkeley, Undergraduate Student Instructor

Aug.2016 - May.2018

CS70: Discrete Math and Probability Theory

Fall 2016, Spring 2017, Fall 2017

CS170: Algorithms

Spring 2018

Publications

Data Efficient Reinforcement Learning for Legged Robots

Yuxiang Yang, Ken Caluwaerts, Atil Iscen, Tingnan Zhang, Jie Tan, Vikas Sindhwani
Conference on Robot Learning (CoRL) 2019
[\[paper\]](#) [\[video\]](#)

Provably Robust Blackbox Optimization for Reinforcement Learning

Krzysztof Choromanski, Aldo Pacchiano, Jack Parker-Holder, Yunhao Tang, Deepali Jain, Yuxiang Yang, Atil Iscen, Jasmine Hsu, Vikas Sindhwani
Conference on Robot Learning (CoRL) 2019
[\[paper\]](#)

ES-MAML: Simple Hessian-Free Meta Learning

Xingyou Song, Wenbo Gao, *Yuxiang Yang*, Krzysztof Choromanski, Aldo Pacchiano, Yunhao Tang
International Conference on Learning Representations (ICLR) 2020

[\[paper\]](#)

NoRML:No-Reward Meta Learning

Yuxiang Yang, Ken Caluwaerts, Atil Iscen, Jie Tan, Chelsea Finn
International Conference on Autonomous Agents and Multi-Agent Systems (AAMAS) 2019

[\[paper\]](#)[\[website\]](#)[\[code\]](#)

OpenRoACH: A Durable Open-Source Hexapedal Platform with Onboard Robot Operating System (ROS)

Liyu Wang, *Yuxiang Yang*, Gustavo Correa, Konstantinos Karydis, Ronald S Fearing
in International Conference on Robotics and Automation (ICRA) 2019

[\[paper\]](#)[\[video\]](#)[\[website\]](#)

Awards and Honors

UC Berkeley EECS Department Citation

Presented annually in recognition of the most outstanding undergraduate achievement.

Outstanding Undergraduate Student Instructor Award

UC Berkeley EECS Honors Student

ACM-ICPC Pacific Northwest Regional Finalist