Ignasi Clavera
Ph.D. Student

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Education

Ph.D in Computer Science *August 2017 - Present*
UC Berkeley *Berkeley , CA*
Advisor: Pieter Abbeel

B.S., Industrial Engineering *September 2012 - May 2017*
Universitat Politecnica de Catalunya *Barcelona, Spain*
1st/347 of my class. GPA: 9.5/10

B.S., Mathematics *September 2013 - May 2017*
Universitat Politecnica de Catalunya *Barcelona, Spain*
2nd/46 of my class. GPA: 9.25/10

MBA Summer School *July 2015*
IESE Business School *Barcelona, Spain*

Experience

Covariant.ai *September 2019 - Present*
Research Intern *Berkeley, CA*
Deep learning researcher

Berkeley Artificial Intelligence Research *August 2017 - June 2019*
Graduate Student Researcher *Berkeley, CA*
Advisor: Pieter Abbeel. Research Area: Deep reinforcement learning

Berkeley Artificial Intelligence Research *September 2016 - March 2017*
Visiting Scholar *Berkeley, CA*
Advisor: Pieter Abbeel. Research Area: Deep reinforcement learning

Institut de Robòtica i Informàtica industrial *July 2015 - May 2016*
Undergraduate Researcher *Barcelona, Spain*
Advisors: Joan Sola, Juan Andrade. Research Area: Computer vision and neuromorphic systems

Publications

1. Ignasi Clavera*, Yao Fu* and Pieter Abbeel. **Model-Augmented Actor-Critic: Backpropagating through Paths**. International Conference on Learning Representations (ICLR), 2020.

2. Alexander Li*, Carlos Florensa*, Ignasi Clavera and Pieter Abbeel. **Sub-policy Adaptation for Hierarchical Reinforcement Learning**. International Conference on Learning Representations (ICLR), 2020.

3. Yunzhi Zhang*, Ignasi Clavera*, Boren Tsai and Pieter Abbeel. **Asynchronous Methods for Model-Based Reinforcement Learning**. Conference on Robot Learning (CORL), 2019.

4. Jonas Rothfuss*, Denis Lee*, Ignasi Clavera*, Tamim Asfour and Pieter Abbeel. **ProMP. Proximal Meta-Policy Search**. International Conference on Learning Representations (ICLR), 2019.

5. Anusha Nagabandi*, Ignasi Clavera*, Simin Liu, Ron Fearing, Pieter Abbeel, Sergey Levine and Chelsea Finn. **Learning to Adapt in Dynamic, Real-World Environments Through Meta-Reinforcement Learning**. International Conference on Learning Representations (ICLR), 2019.

6. Ignasi Clavera*, Jonas Rothfuss*, John Schulman, Yasuhiro Fujita, Tamim Asfour and Pieter Abbeel. **Model-Based Reinforcement Learning via Meta-Policy Optimization**. Conference on Robot Learning (CORL), 2018.

7. Thanard Kurutach, Ignasi Clavera, Yan Duan, Aviv Tamar and Pieter Abbeel. **Model-Ensemble Trust-Region Policy Optimization**. International Conference on Learning Representations (ICLR), 2018.

8. Ignasi Clavera, David Held and Pieter Abbeel. **Policy Transfer via Modularity and Reward Guiding**. International Conference on Intelligent Robots and Systems (IROS), 2017.

Teaching Experience

CS287: Advanced Robotics *August 2019 - December 2019*
Graduate Student Instructor *Berkeley, CA*
Instructors: Prof. Pieter Abbeel

CS188: Introduction to Artificial Intelligence *August 2018 - December 2018*
Graduate Student Instructor *Berkeley, CA*
Instructors: Prof. Pieter Abbeel, Prof. Dan Klein

Honors & Awards

2017	**Scholarship**, La Caixa fellowship for graduate studies
2017	**1st**, Best GPA of the 2017 class B.S. in Industrial Engineering
2017	**2nd**, Second best GPA of the 2017 class B.S. in Mathematics
2015	**Scholarship**, Full scholarship for the MBA IESE Summer School
2015	**Scholarship**, Full scholarship for the MBA IESE Summer School
2013	**1st**, Best GPA in the Initial Phase of the B.S. in Industrial Engineering
2013	**Scholarship**, Full CFIS scholarship for the B.S. in Mathematics
2012	**Scholarship**, Catalunya Caixa's bests university entrance exam
2012	**Finalist**, UPC award for research projects

Skills

Languages, Native: Spanish, Catalan. Fluent: English.
Programming, C/C++, Python, MATLAB, ROS, Tensorflow, PyTorch

Services

2018-Present	**Research mentor**, Research mentor of undergrad students: Yunzhi Zhang, Violet Fu, Boren Tsai, Yiming Ding, Dennis Lee, David Vendrow
2020	**Workshop Organizer**, Organized the workshop Beyond "tabula rasa" in reinforcement learning (BeTR-RL) at ICLR 2020
2019	**Workshop Organizer**, Organized the workshop MetaLearn2019 at NeurIPS 2019
2019	**Co-chair**, Co-chaired the session Learning and Adaptive Systems III at IROS 2017