Robin Strudel

PhD Candidate

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Birth : 20/12/1992, Cerny

Education

2018-present	**Ecole Normale Supérieure, INRIA Willow**, *Paris, France*, PhD candidate. Learning robotic manipulations from demonstrations. Working on Imitation Learning, Reinforcement Learning, Simulation to Real World transfer and Motion Planning. Advised by Ivan Laptev, Cordelia Schmid and Josef Sivic, INRIA Willow.
2017-2018	**ENS Paris-Saclay**, *Paris, France*, MSc Machine Leaning. Masters degree in mathematics, computer vision and machine learning (MVA). Coursework: Computer vision, Reinforcement Learning, Deep Learning and Convex optimization. Obtained with highest honors.
2013-2016	**ENS Lyon**, *Lyon, France*, MSc Probability, Bachelor in Mathematics. Training in theoretical and applied mathematics. Coursework: Probability, Partial Differential Equations and Differential Geometry.

Work Experience

2016-2017	**UC Berkeley**, *Berkeley, USA*, Visiting Student Researcher. Modeled the effects of genome mutations on population genetics with diffusion processes. Advised by Steve N. Evans, Department of Statistics.
Spring 2016	**Oxford University**, *Oxford, UK*, Masters' Thesis. Modeled the impact of natural selection on genome dynamics using hydrondynamic limits. Advised by Julien Berestycki, Department of Statistics.
Spring 2015	**Université Paris Diderot**, *Paris, France*, Research Internship. Studied the influence of earth's rotation on sea streams with Navier-Stokes equations. Advised by Isabelle Gallagher, Department of Applied Mathematics.

Publications

Robin Strudel*, Alexander Pashevich*, Igor Kalevatykh, Ivan Laptev, Josef Sivic, Cordelia Schmid.
Learning to combine primitive skills: A step towards versatile robotic manipulation.
Technical report *equal contribution. Project page.

Alexander Pashevich*, **Robin Strudel***, Igor Kalevatykh, Ivan Laptev, Cordelia Schmid.
Learning to Augment Synthetic Images for Sim2Real Policy Transfer.
In Proc. IROS 2019, *equal contribution. Project page.

Teaching

2019-present	**Ecole Normale Supérieure**, *Paris, France*, Teaching Assistant. Object recognition and computer vision. Taught with Ivan Laptev, Cordelia Schmid, Jean Ponce and Josef Sivic.
2018-2019	**Université Pierre et Marie Curie**, *Paris, France*, Teaching Assistant. Linear optimization and Convexity, Introduction to Python for mathematics. Taught with Pauline Tan and Julien Guillod.

Computer Skills

Languages	Python, Latex, C++.
Libraries	PyTorch, PyBullet, ROS, Dask.

Miscellaneous

Languages	French (native), English (fluent).
Sport	Volley-ball (led our team for a national title in 2009), Cross-country skiing, Surfing, Climbing, Cycling, Running, Hiking.