Michel Aractingi

Curriculum Vitae

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Education

2020–	**Phd candidate in Computer Science and Robotics**, *INSA Toulouse & Naver Labs Europe*, France.
2016–2018	**Master of Science in Informatics at Grenoble (MOSIG)**, *Institut Nationale Polytechnique De Grenoble*, France.
2013–2016	**Bachelors of Science in Electrical Engineering**, *University of Balamand*, Lebanon.

Experience

July 2020 -	**Phd Candidate at LAAS/CNRS and Naver Labs Europe**, *Grenoble-Toulouse*, France.
	The main topic of my Phd includes research around learning robust controllers for quadruped robots. We were able to implement the first RL-based controller for the Solo12 robot. I also worked on the MIT mini-cheetah platform. Main simulation softwares used were PyBullet, Raisim and Nvidia's IsaacGym.
Oct 2018 - June 2020	**Research Engineer at Naver Labs Europe**, *Grenoble*, France.
	As part of the Machine Learning and Optimization group, supervised by Tomi Silander and Julien Perez.

Research Internships

Feb - Jul 2018	**Learning object manipulations from visual demonstrations**, *Grenoble*, France.
	Master thesis. I worked in the Thoth team at Inria Grenoble, supervised by Cordelia Schmid.
Spring 2017	**Implementing Visual Odometry on rob-air using the ROS system**, *Grenoble*, France, Done at Fablab in Grenoble under the supervision of Olivier Aycard.
Fall 2015	**Establishment and exploitation of binaural sound signals in simulated human-machine interaction contexts**, *Balamand*, Lebanon, Undergraduate project.

Voluntary

2014–2017	**Editor and Writer**, *4electron.com*, Online Job.
2012–2013	**NXT robotics trainer**, *Sanabel Al-Mahabe scouts*, Damascus.
	Training Young Teenagers (ages 11-12) to program and build NXT Lego robots.

Languages

Arabic	**Mother Tongue**
English	**Fluent**
French	**Upper-intermediate**

Computer Skills and Programming

Python, C/C++, ROS, PyTorch, PyBullet, Raisim, IsaacGym, IGibson, AI-Habitat.

References

Recommendation letters can be provided from previous and current supervisors when requested.

Publications

[Aractingi et al., 2019]   Aractingi, M., Dance, C., Perez, J., and Silander, T. (2019). Improving the generalization of visual navigation policies using invariance regularization. *Reinforcement Learning for Real-life (RL4RealLife) Workshop in the 36th International Conference on Machine Learning*.

[Aractingi et al., 2021]   Aractingi, M., Leziart, P.-A., Flayols, T., Perez, J., Silander, T., and Souères, P. (2021). Learning to Adapt the Trotting Gait of the Solo Quadruped. preprint.

[Aractingi et al., 2022]   Aractingi, M., Léziart, P.-A., Flayols, T., Perez, J., Silander, T., and Souères, P. (2022). Controlling the Solo12 Quadruped Robot with Deep Reinforcement Learning. preprint.

[Monaci et al., 2022]   Monaci, G., Aractingi, M., and Silander, T. (2022). DiPCAN: Distilling privileged information for crowd-aware navigation. In *Robotics: Science and Systems (RSS) XVIII*. Best Paper Award Nominee.