
	Campinas, São Paulo, Brazil	Phone: (+55)19981631080
SUMMARY	Ph.D. candidate in machine learning, with focus on multi-objective optimization, deep learning, and probabilistic graphical models. Previous experience in robotics, with focus on estimation and control, and programming, with focus on test-driven development, embedded systems, and simulation.	
EDUCATION	University of Montreal Deep Learning Summer School Aug. 2015 State University of Campinas Ph.D., Electrical Engineering, Current GPA: 4.0/4.0 <ul style="list-style-type: none"> Developed state of the art techniques for multi-objective optimization and neural networks. M.S., Mechanical Engineering, Jun. 2014 GPA: 4.0/4.0 <ul style="list-style-type: none"> Developed algorithms for calibration, filtering, and control of a quadrotor with unknown model based on statistical models and reinforcement learning. B.S., Control and Automation Engineering, Dec. 2011 GPA: 8.55/10 <ul style="list-style-type: none"> Applied nonlinear control methods to a quadrotor under complete failure of a motor. Received an award from the Engineering Institute for best graduating student. 	
PROFESSIONAL EXPERIENCE	Daitan Group , Embedded Systems Maintenance Intern Jan. 2011 - Jul. 2011 <ul style="list-style-type: none"> Automated tests, improved bug tracking, and decreased response time. Team was commended by major client for the first time and thrice for increasing throughput, reducing delays, and improving feedback to customers. State University of Campinas <u>Graduate Researcher</u> Mar. 2012 - Today <ul style="list-style-type: none"> Designed state of the art algorithms for sensor calibration and quadrotor control. <u>Undergraduate Researcher</u> Aug. 2009 - Jul. 2010 <ul style="list-style-type: none"> Designed an adaptive vibration absorber for a range of disturbance frequencies. <u>IT developer for the Institute of Linguistic Studies</u> Mar. 2008 - Feb. 2009 <ul style="list-style-type: none"> Developed and maintained a forum for the group of Study of Speech Prosody. <u>IT developer for the Institute of Mathematics and Statistics</u> Mar. 2007 - Feb. 2008 <ul style="list-style-type: none"> Developed a system for online application to the graduate program. Federal University of Viçosa , Volunteer System Administrator Mar. 2005 - Dec. 2006	
TEACHING EXPERIENCE	State University of Campinas <u>Lecturer</u> <ul style="list-style-type: none"> Neural Networks (2 Deep Learning classes) Autumn of 2015 Embedded Systems Design Autumn of 2014 Signal Processing Spring of 2014 <u>Teaching Assistant</u> <ul style="list-style-type: none"> Advanced Control of Systems Spring of 2012 Control of Mechanical Systems Spring of 2010 and 2011 Embedded Systems Design Autumn of 2011 and 2012 	
TECHNICAL SKILLS	Computer science: algorithm analysis, compilers, computer architecture, machine learning, meta-heuristics, and neural networks. Minor experience with information security and network protocols. Engineering: modelling and control of dynamic systems, embedded systems, signal processing, and state estimation. Mathematics: linear and nonlinear dynamic systems' theory, optimization, and probability. Programming: C, C++, Cuda, JavaScript, MATLAB, and Python. Minor experience with assembly, OpenCL, SQL, and VHDL.	